

# 811-817 LEXINGTON AVENUE

Brooklyn, New York

Block 1622, Lots 51 and 56

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## Remedial Investigation Report

NYSDEC BCP Site Number: C224308

*Prepared for:*

811 Lexington L.P.  
c/o IMPACCT Brooklyn  
1000 Dean Street – Suite 420  
Brooklyn, New York 11238

*Prepared by:*

Gallagher Bassett Technical Services  
22 IBM Road – Suite 101  
Poughkeepsie, New York 12603  
(845) 452-1658



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## CERTIFICATION

I, James Blaney, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

James Blaney, CHMM

9/15/20



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Qualified Environmental Professional

Date

Signature

## EXECUTIVE SUMMARY

This Remedial Investigation Report (RIR) summarizes environmental investigation services performed at the properties located at 811-817 Lexington Avenue, Brooklyn, New York City, New York (Site).

The investigation was performed to document the extent of contamination at the Site, potentially the result of former commercial uses. On-site soil and soil vapor investigations were previously conducted by ALC Environmental (ALC) in accordance with a Remedial Investigation Work Plan (August 2016) and Supplemental Subsurface Investigation and Pilot Study Work Plan (February 2019), collectively the “RIWP”, which were approved by the New York City Mayor’s Office of Environmental Remediation (OER). Subsequent to this work, by Gallagher Bassett Technical Services (GBTS), in consultation with NYSDEC, installed three (3) monitoring wells and conducted on-site groundwater sampling in order to complete a Remedial Investigation (RI).

This RIR summarizes the findings of a previous environmental site assessment, details fieldwork methodologies and sample collection procedures employed during the RI, documents laboratory analysis of samples collected in all media (soil, vapor and groundwater), and provides conclusions and recommendations based on this work and the resulting analytical data.

RI services were performed in accordance with the RIWP and in general conformance with NYSDEC Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10, May 2010).

### Site Location and Current Usage

The Site is located at 811-817 Lexington Avenue in the Bedford-Stuyvesant neighborhood in Brooklyn, New York and is identified as Block 1622, Lot 51 and Lot 56 (contiguous parcels) on the New York City Tax Map. The Site has an area of 15,500 square feet (approximately 0.35 acre). Lot 51, to the east, is 100 feet by 80 feet (8,000 square feet) and is entirely occupied by a one- and two-story former commercial building (unoccupied since circa 1997). Lot 56, to the west, is 75 feet by 100 feet (7,500 square feet) and contains an asphalt-paved parking lot. Figure 1 is a location map, indicating the Site boundary.

The site is bounded: to the north by several residential buildings and a community garden; to the east by a five-story building under construction; to the south by Lexington Avenue, followed by a construction site, church, and a six-story public facility (Kingsboro Addiction Treatment Center); and to the west by a 2-story public facility (Saint John's Bread & Life). Figure 2 shows adjoining and local vicinity land uses.

### **Summary of Proposed Redevelopment Plan**

The proposed future use of the Site will consist of a new 4-story senior affordable-housing residential building fronting Lexington Avenue, totaling sixty-one (61) residential units, with a maximum building height of 54 feet. The proposed building totals 34,647 square feet (sf) on the first through fourth floors, with an approximate 814 sf community room and garden on the roof. The ground floor will occupy a footprint of 5,946 sf and will consist of the lobby, residential units and storage spaces. A 5,239 sf cellar will contain communal and storage space, offices and mechanical rooms. The proposed development will occupy approximately 41.5% of the footprint of the Site, with the remaining 58.5% designated for onsite parking and associated drive lanes. The planned foundation depth is approximately 11 feet below ground surface (bgs).

### **Summary of Past Uses of Site and Areas of Concern**

Site history was identified in a Phase I Environmental Site Assessment (ESA, November 2017) prepared for the property by ALC. The Site initially consisted of seven (7) contiguous tax lots (805-817 Lexington Avenue). Two of the lots were improved with a dwelling and stables, constructed prior to 1888. The lots were subsequently merged to form the existing Lots 51 and 56. Prior to the current improvements, the Site was occupied by an electroplating and iron works facility, which was razed sometime between 1908 and 1924.

The existing split-level building on Lot 51 was constructed sometime between 1908 and 1924, and was originally utilized as a commercial garage (with a gasoline underground storage tank [UST]), operating between at least 1928 and 1940. Subsequent uses included trucking and a laundry facility (Sunshine Laundry) in the 1940s, and various commercial/light industrial use (electronics and food packers) between 1949 and 1997. The building has been vacant since circa 1997.

Lot 56 was previously improved with a 3-story industrial building constructed sometime between 1908 and 1924. Former uses include metal stamping in 1934, rayon dyeing and finishing between at least

1940 and 1960, and manufacturing of rubber products and ribbon dyeing in 1960. This building was demolished sometime between 1966 and 1976, and the lot was subsequently used as a parking lot.

The following recognized environmental conditions (RECs) were identified based on potential releases associated with:

- Former on-site USTs, including a gasoline tank and a 1,500-gallon No. 2 fuel oil tank;
- Historical Site operations, including trucking, laundry, metal working, dyeing and other significant commercial uses; and,
- Historical operations at adjoining properties, including automotive service and metal working facilities at 819 Lexington Avenue to the east and 803 Lexington Avenue to the west.

### Summary of Environmental Findings

On-site environmental investigations previously conducted by ALC are documented in a Phase II Environmental Site Investigation (January 2018) and Supplemental Subsurface Investigation Report (August 2019), provided in Appendix C. All fieldwork observations and laboratory data generated during ALC's investigative work have been incorporated into the text and appendices of this RIR. The initial investigation documented soil, soil vapor and air quality, and subsequent work included supplemental soil vapor sampling based on earlier results indicating high concentrations of chlorinated solvents.

Samples were collected as follows:

Media	Number of Samples
Soil	Twelve (12) from six (6) borings (SB-1 through SB-6)
Soil Vapor	Six (6) during the initial Phase II investigation and an additional three (3) during the supplemental investigation, from temporary subsurface probes (SV-01 through SV-09)
Air	One (1) building interior and one (1) outdoor

GBTs subsequently installed three (3) groundwater monitoring wells in December 2019 and collected groundwater samples in January 2020.

## SOIL

Subsurface soils consist of contaminated urban fill (with concrete, brick, and cinders) to depths ranging from 10 to 13 feet below ground surface (bgs), underlain by native materials (silty sands and sands, documented to 40 feet bgs in geotechnical borings). Bedrock was not encountered to depths of approximately 61 feet bgs (maximum depth reached during installation of monitoring wells).

Soil exhibiting field evidence of contamination (petroleum odors and staining) was observed at approximately 4 to 9.5 feet in soil boring SB-3 at the southeastern portion of Lot 56; no other relevant field evidence of contamination was noted at any soil boring locations.

Soil collected from each boring, at intervals of 2 feet near the surface ("shallow" samples at 1 to 3 feet) and at the boring terminus ("deep" samples ranging from 7 to 9 feet to 12 to 14 feet), was submitted for laboratory analysis of volatile organic compounds (VOCs, EPA 8260), semi-volatile organic compounds (SVOCs, EPA 8270), Target Analyte List (TAL) metals (EPA 6010 and 7471), pesticides (EPA 8081) and polychlorinated biphenyls (PCBs, EPA 8081). Results were compared to NYSDEC Soil Cleanup Objectives (SCOs) for Restricted-Residential Use (RRU) and Unrestricted Use (UU).

Five of six shallow soil samples contained metals at concentrations above UU SCOs, with three samples having detected concentrations above RRU SCOs. Peak levels included: cadmium (10.2 ppm, SCO 4.3 ppm) and lead (550 ppm, SCO 400 ppm). Two locations with high metal concentrations (SB-1 and SB-2, central portion of Lot 56) also contained PAHs above RRU SCOs and pesticides above UU SCOs.

Significant impacts in deeper soils are limited to PAH and metal concentrations above RRU SCOs. Peak levels included: benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene (4.09, 3.32, and 3 ppm, respectively, SCOs 1 ppm); chrysene (4.23 ppm, SCO 3.9 ppm); dibenzo(a,h)anthracene (0.723 ppm, SCO 0.33 ppm); indeno(1,2,3-cd) pyrene (2.49 ppm, SCO 0.5 ppm); and mercury (13 ppm, SCO 0.81 ppm). Locations with PAHs above RRU SCOs had total SVOCs ranging from approximately 24 ppm to 54 ppm.

There are no significant impacts from VOCs or PCBs. The chlorinated solvents tetrachloroethene (PCE) and/or trichloroethene (TCE) were reported in three shallow samples (SB-4 to SB-6, Lot 51) and in one deep sample (TCE only, SB-5 7 to 9 feet, northern portion of Lot 51). Peak levels of TCE and PCE were at least an order of magnitude below UU SCOs.



Impacts to Site soils are likely to be associated with contaminated fill materials and/or releases from historical commercial uses.

#### *SOIL VAPOR*

Soil vapor was collected at six locations (SV-01 to SV-06), along with indoor (IA-01) and outdoor (OA-01) air quality samples, in January 2018. Three additional soil vapor samples (SV-07 to SV-09) were collected at the northern and eastern portions of Lot 51 (beneath the building slab) in July 2019. SV-02 to SV-04, and SV-06 were installed within the footprint of the proposed development to a depth of 12 feet bgs. All samples were submitted for laboratory analysis of VOCs (EPA TO-15).

Contamination by chlorinated VOCs (cVOCs), primarily PCE and TCE, was documented throughout the Site, with the highest detected concentrations reported at SV-03, SV-05 and SV-07 at Lot 51. The highest levels of TCE were reported at 11,000  $\mu\text{g}/\text{m}^3$  (SV-07) and 4,800  $\mu\text{g}/\text{m}^3$  (SV-05), with a range of 520 to 970  $\mu\text{g}/\text{m}^3$  at all other locations (excluding SV-01 at the northern half of Lot 56, reported at 44  $\mu\text{g}/\text{m}^3$ ). PCE was reported at 1,200  $\mu\text{g}/\text{m}^3$  (SV-09), ranging from 72 to 750  $\mu\text{g}/\text{m}^3$  at other locations (excluding SV-01, and SV-05 at the northern half of Lot 56, reported at 15 and 11  $\mu\text{g}/\text{m}^3$ , respectively). PCE and TCE breakdown product cis-dichloroethene (DCE) was found only at low levels (peak value 3.6  $\mu\text{g}/\text{m}^3$  at SV-05) while trans-DCE and vinyl chloride were not detected. Carbon tetrachloride was reported at 100  $\mu\text{g}/\text{m}^3$  (SV-09).

High levels of petroleum VOCs (potentially related to gasoline) were reported at SV-03, including total xylenes at 1,910  $\mu\text{g}/\text{m}^3$ , p-ethyltoluene at 720  $\mu\text{g}/\text{m}^3$ , and 1,2,4-trimethylbenzene at 510  $\mu\text{g}/\text{m}^3$ , with concentrations less than 100  $\mu\text{g}/\text{m}^3$  reported for other similar compounds (e.g., benzene, n-heptane and n-hexane) throughout the Site. Trace to low-levels of multiple other compounds were detected in all samples.

Elevated levels of PCE and TCE present throughout the Site, and elevated levels of VOCs associated with petroleum, do not appear to be correlated with any known significant on-site source areas in soil (substantial impacts are limited to metals and SVOCs) and may be attributable to historical Site activities, poor-quality fill, releases from contaminated Site groundwater and/or from releases at off-site areas. Other VOCs in vapor occur at trace to low levels typical of well-developed urban settings and locations with historical industrial uses.

## AIR

Multiple compounds were detected in both samples, with only trace levels of two compounds (styrene and 4-methyl-2-pentanone;  $<1 \mu\text{g}/\text{m}^3$ ) reported in the indoor sample but not in the outdoor sample.

PCE was reported in indoor air at  $0.36 \mu\text{g}/\text{m}^3$ , below the outdoor level at  $0.58 \mu\text{g}/\text{m}^3$ , and TCE was reported at  $0.29 \mu\text{g}/\text{m}^3$ , above the outdoor level of  $0.086 \mu\text{g}/\text{m}^3$ , but below the New York State Department of Health (NYSDOH) Air Guideline Level ( $2 \mu\text{g}/\text{m}^3$ ). Low levels of benzene ( $2.6 \mu\text{g}/\text{m}^3$ ), toluene ( $4.2 \mu\text{g}/\text{m}^3$ ), cyclohexane ( $0.35 \mu\text{g}/\text{m}^3$ ), n-heptane ( $2.6 \mu\text{g}/\text{m}^3$ ), and propylene ( $2.6 \mu\text{g}/\text{m}^3$ ) were reported in indoor air ranging from approximately 1.5 to 4.7 times outdoor air values.

Indoor air sampling results are generally consistent with the outdoor air sampling results, and indicate no significant contamination within the building on Lot 51. Given the high concentrations of TCE, PCE and xylenes in soil vapor and the absence of significant contamination in indoor air, existing data do not indicate likely soil vapor intrusion in the on-site building under current conditions.

## GROUNDWATER

Groundwater quality was investigated through the installation, gauging and sampling of three (3) permanent wells (MW-01 to MW-03, installed during the RI). At least one sample from each well was collected and submitted for laboratory analysis of Target Compound List (TCL) VOCs and SVOCs (EPA 8260/8270), TAL metals (total and dissolved, EPA 6010/7471), pesticides and PCBs (EPA 8081/8082), 1,4-dioxane (EPA 8270 SIM) and per- and polyfluoroalkyl substances (PFAS; EPA 537 modified).

Depth to groundwater ranged from 41.03 to 43.82 feet below the top of the well casing and the direction of groundwater flow was inferred to be in an overall southeasterly direction (flow rate was not determined). The only field evidence of contamination observed during sampling was photoionization detector (PID) readings below 10 ppm at two of three wells.

Significant groundwater contamination by VOCs is limited to elevated levels of PCE and TCE in all wells, with PCE (AWQS 5 ppb) ranging from 11 to 22 ppb, and TCE (AWQS 5 ppb) ranging from 11 to 23 ppb. Low levels of cis-DCE (AWQS 5 ppb) were reported in all wells ranging from 0.99 to 1.1 ppb. The highest values for these compounds, as well as low level tert-butyl alcohol (3.4 ppb, AWQS not established),

were reported at MW-02. Trace to low levels of acetone, chloroform and chloromethane were found in one or more samples. Petroleum compounds were not reported in the groundwater samples.

Significant SVOC contamination is limited to 2,4-dinitrotoluene (12.5 ppb, AWQS 5 ppb) in MW-03, bis(2-ethylhexyl)phthalate (12.8 ppb, AWQS 5 ppb) in MW-01 (detected in the laboratory blank and likely to be a cross-contaminant), and benzo(a)anthracene and chrysene (0.06 and 0.05 ppb, respectively, AWQS 0.002 ppb) in the MW-03 duplicate sample. Trace levels of PAHs were reported for all samples.

Multiple metals were reported in all groundwater samples, with elevated levels primarily due to dissolved concentrations. Peak concentrations included total chromium (3,390 ppb, AWQS 50 ppb) and cobalt (10.7 ppb, AWQS 5 ppb). Peak levels of metals generally occurred at MW-01 (only well containing silver [48.5 ppb total and 42.6 ppb dissolved, AWQS 50 ppb]). Concentrations of common metals (low levels of aluminum, calcium, magnesium, and potassium, and elevated levels of sodium) are consistent across the Site, suggesting that these impacts are related to local-area groundwater conditions. PCBs and pesticides were not detected in any groundwater samples.

PFAS were detected in all samples, with total concentrations ranging from 0.156 to 0.201 ppb (average 0.179 ppb). Total PFOS and PFOA ranged from 0.065 to 0.136 ppb (average 0.101 ppb). [Note: US EPA has established a health advisory of 0.070 ppb for total PFOS and PFOA in drinking water.] Peak values were reported at MW-01. 1,4-Dioxane was not found in any samples.

Existing soil data do not indicate a significant on-site source areas.

## Conclusions

Sufficient Site investigative work has been completed with respect to soil, soil vapor and groundwater contamination. Based on the work conducted to date, the following general conclusions are reached:

1. Metal and PAH impacts in soil are likely to be associated with poor quality fill materials and/or releases from historical commercial uses. Site remediation will likely need to target surface soil throughout the Site, with limited “hot spot” removal of deeper soils (additional pre-design soil investigation may be warranted during development to further evaluate subsurface conditions and provide real-time guidance during implementation of the selected remedy).

2. Documented soil vapor contamination (elevated PCE, TCE and petroleum compounds) may be attributable to historical Site activities, poor-quality fill, releases from Site groundwater and/or from releases at off-site areas. Engineering controls (e.g., sub-slab depressurization system [SSDS]) may be required to mitigate soil vapor intrusion.
3. Groundwater contamination by PCE, TCE and metals is not likely to be related to on-site soil conditions; PAHs in soil, however, may contribute to poor groundwater quality, which could improve after Site remediation. Overall, groundwater contamination is not present at levels warranting a direct response action and may (in whole or in part) be attributable to off-site releases. Since groundwater is located more than 40 feet below the surface (below any practical excavation depth), it is unlikely to be substantially affected by Site remediation activities and therefore may constitute an ongoing source of PCE and TCE in soil vapor.
4. Based on known environmental conditions and likely response actions, the completed development project is expected to be managed as a Track 2 or Track 4 Restricted-Residential Use property.

## REMEDIAL INVESTIGATION REPORT

### 1.0 SITE BACKGROUND

#### 1.1 Purpose

This Remedial Investigation Report (RIR) summarizes environmental investigation services at the properties located at 811-817 Lexington Avenue, Brooklyn, New York City, New York (Site).

The investigation was performed to document the extent of contamination at the Site, potentially the result of former commercial uses. On-site soil and soil vapor investigations were previously conducted by ALC Environmental (ALC) in accordance with a Remedial Investigation Work Plan (August 2016) and Supplemental Subsurface Investigation and Pilot Study Work Plan (February 2019), collectively the “RIWP”, which were approved by the New York City Mayor’s Office of Environmental Remediation (OER). Subsequent to this work, Gallagher Bassett Technical Services (GBTS), in consultation with NYSDEC, conducted on-site groundwater sampling in order to complete a Remedial Investigation (RI). Any variations from the approved work plans are described in Section 3.1.8.

This RIR summarizes data from previous investigations by ALC (see Section 2.3), details fieldwork and sample collection procedures employed by GBTS, documents laboratory analysis of media samples (soil vapor, soil and groundwater), and provides conclusions based on fieldwork observations and analytical data. Services summarized in this RIR were performed in accordance with the approved RIWP and in general conformance with NYSDEC Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10, May 2010).

#### 1.2 Objectives

GBTS conducted groundwater sampling to supplement earlier investigative work performed by others under OER’s Voluntary Cleanup Program. Site investigation was completed to: 1) characterize soil vapor, soil and groundwater quality; 2) evaluate the impacts from historical Site uses and document the nature and extent of contamination in soil vapor, soil and groundwater; and, 3) develop a qualitative exposure assessment based on Site conditions and identify an appropriate remedial action.

## 2.0 SITE DESCRIPTION

### 2.1 Site Location and Description

The Site is located at 811-817 Lexington Avenue in the Bedford-Stuyvesant neighborhood in Brooklyn, New York and is identified as Block 1622, Lot 51 and Lot 56 (contiguous parcels) on the New York City Tax Map. The Site has an area of 15,500 square feet (approximately 0.35 acre). Lot 51, to the east, is 100 feet by 80 feet (8,000 square feet) and is entirely occupied by a one- and two-story former commercial building (vacant since circa 1997). Lot 56, to the west, is 75 feet by 100 feet (7,500 square feet) and contains an asphalt-paved parking lot. Figure 1 is a location map, indicating the Site boundary.

The site is bounded: to the north by several residential buildings and a community garden; to the east by a five-story building under construction; to the south by Lexington Avenue, followed by a construction site, church, and a six-story public facility (Kingsboro Addiction Treatment Center); and to the west by a 2-story public facility (Saint John's Bread & Life). Figure 2 shows adjoining and local vicinity land uses.

### 2.2 Physical Setting

#### 2.2.1 Site Topography

Site elevations range from approximately 56 feet (northern margin of Lot 56) to 52 feet (Lexington Avenue sidewalk) above mean sea level. The surrounding area is a relatively level, well-developed urban setting, where filling and surface grading is likely to have occurred. The nearest water body is Newtown Creek, approximately 1.25-miles north. Figure 3 shows the Site location on a topographic map.

#### 2.2.2 Site Geology

Site geology is documented in a geotechnical report prepared in support of site development activities (Whitestone Associates, Inc., Report of Geotechnical Investigation, January 2018), which included the extension of five (5) on-site and one (1) off-site mechanized borings, and five (5) on-site and three (3) off-site test pits (off-site areas were located north of Lot 51). Soil observed in borings consisted of urban fill (with concrete, brick, and cinders) to depths ranging from 10 to 13 feet below ground surface (bgs), underlain by native materials (silty sands and sands, with variable amounts of silt and gravel), to a final boring depth of 40 feet bgs. Fill was identified in test pits beneath the building slab. An underground

storage tank (UST) was observed at approximately 9 feet bgs in the test pit located at the southwestern corner of Lot 56 (the tank is inactive). The geotechnical report did not identify the contents of the tank and previous investigation did not include laboratory analysis of soil in this immediate area, no overt field evidence of contamination was reported.

Subsurface Site soils encountered during a previous Phase II investigation (see Section 2.3.4) to a maximum depth of 14 feet bgs documented urban fill.

Bedrock was not encountered during any fieldwork activities (to a maximum depth of approximately 61 feet bgs, reached during installation of monitoring wells).

### **2.2.3 Site Subsurface Hydrogeology**

Saturated soil was not encountered during the geotechnical and Phase II investigation (maximum depth of 40 feet bgs). RI gauging data from monitoring wells document groundwater depths (from top of the casings) from approximately 41.03 to 43.82 feet and direction of groundwater flow was inferred to be in an overall southeasterly direction (flow rate was not determined).

## **2.3 Site History and Previous Environmental Investigations**

Previous environmental site investigations completed by ALC are documented in the following documents (provided in Appendix C) and summarized in Sections 2.3.1 and 2.3.2:

- Phase I Environmental Site Assessment (November 2017);
- Phase II Environmental Site Investigation (January 2018); and,
- Supplemental Subsurface Investigation Report (August 2019).

No other previous environmental investigations are known to have been conducted at the Site.

All fieldwork observations and soil and soil vapor data generated during ALC's earlier investigative work (see below) have been incorporated into the text and appendices of this RIR.

### **2.3.1 Phase I Environmental Site Assessment**

The Site initially consisted of seven (7) contiguous tax lots, known as 805-817 Lexington Avenue. Two of the lots were improved with a 2-story dwelling and stables, constructed prior to 1888. The referenced

lots were subsequently merged to form the existing Lots 51 and 56. Prior to the current improvements, the Site was occupied by an electroplating and iron works facility, which was razed sometime between 1908 and 1924.

The existing split level building on Lot 51 was constructed sometime between 1908 and 1924, and was originally utilized as a commercial garage (with a gasoline UST), operating between at least 1928 and 1940. Subsequent uses included trucking and a laundry facility (Sunshine Laundry) in the 1940s, and various commercial/light industrial use (electronics and food packers) between 1949 and 1997. The building has been vacant since circa 1997.

Lot 56 was previously improved with a 3-story industrial building constructed sometime between 1908 and 1924. Former uses include metal stamping in 1934, rayon dyeing and finishing between at least 1940 and 1960, and manufacturing of rubber products and ribbon dyeing in 1960. This building was demolished sometime between 1966 and 1976, and the lot was subsequently used as a parking lot.

The following recognized environmental conditions (RECs) were identified:

- Former on-site USTs, including a gasoline tank and a 1,500-gallon No. 2 fuel oil tank;
- Historical Site operations, including trucking, laundry, metal working, dyeing and other significant commercial uses; and,
- Historical operations at adjoining properties, including automotive service and metal working facilities at 819 Lexington Avenue to the east and 803 Lexington Avenue to the west.

#### **2.3.4 Phase II and Supplemental Site Investigations**

In response to the RECs identified during the Phase I ESA, ALC performed Phase II investigations to evaluate potential impacts at the Site. The initial investigation documented soil, soil vapor and air quality, and subsequent fieldwork included supplemental soil vapor sampling based on earlier results indicating high concentrations of volatile compounds. Samples were collected as follows:



Media	Number of Samples
Soil	Twelve (12) from six (6) borings (SB-1 through SB-6)
Soil Vapor	Six (6) during the initial Phase II investigation and an additional three (3) during the supplemental investigation, from temporary subsurface probes (SV-01 through SV-09)
Air	One (1) building interior and one (1) outdoor

#### 2.3.4.1 Soil Sampling

Soil sampling was completed utilizing a 54DT Geoprobe equipped with 2-inch diameter acetate liners within a pneumatically advanced Geoprobe 4-foot Macrocore sampler. Refusal was encountered in five of six borings at approximately 9 to 10 feet bgs, potentially due to obstructions created by boulders or other buried materials. Boring logs are provided in Appendix C – Previous Environmental Reports.

Soil exhibiting field evidence of contamination (trace petroleum odors and staining) was observed at approximately 4 to 9.5 feet in soil boring SB-3 (located at the southeastern portion of Lot 56); no other relevant field evidence of contamination was noted at any soil boring locations.

Soil collected from each boring, at intervals of 2 feet near the surface (“shallow” samples at 1 to 3 feet) and at the boring terminus (“deep” samples ranging from 7 to 9 feet to 12 to 14 feet), was submitted for laboratory analysis of volatile organic compounds (VOCs, EPA 8260), semi-volatile organic compounds (SVOCs, EPA 8270), Target Analyte List (TAL) metals (EPA 6010 and 7471), pesticides (EPA 8081) and polychlorinated biphenyls (PCBs, EPA 8081). Results were compared to NYSDEC Soil Cleanup Objectives (SCOs) for Unrestricted Use (UU) and Restricted-Residential Use (RRU). Figure 4 shows sample locations and laboratory analytical data exceeding UU SCOs are shown on Figures 5 through 7.

#### VOCs

VOCs were detected in seven of twelve samples (no VOCs were reported above UU SCOs). Trace to low-levels of trichloroethene (TCE, 0.0049 to 0.054 ppm, UU SCO 0.47 ppm) were found in shallow samples SB-4 to SB-6 and deep sample SB-5 (7 to 9 feet), and trace tetrachloroethene (PCE, 0.0029 ppm, SCO 1.3 ppm) was found in shallow sample SB-6. Three samples contained low levels of acetone (0.039 ppm, SCO 0.05 ppm) and/or trace levels methylene chloride (a common laboratory cross contaminant). Peak

levels of TCE and PCE were at least an order of magnitude below UU SCOs. Laboratory data for VOCs are summarized in Table 1.

#### *SVOCs*

SVOCs were detected in four of twelve samples. Polycyclic aromatic hydrocarbons (PAHs) were reported above RRU SCOs in shallow samples SB-1 and SB-2, and deep sample SB-3 (7.5 to 9.5 feet). SVOCs were not found in the deeper soils associated with each of the shallow samples. Peak levels (reported at SB-3) included: benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene (4.09, 3.32, and 3 ppm, respectively, SCOs 1 ppm); chrysene (4.23 ppm, SCO 3.9 ppm); dibenzo(a,h)anthracene (0.723 ppm, SCO 0.33 ppm); and indeno(1,2,3-cd) pyrene (2.49 ppm, SCO 0.5 ppm). Locations with PAHs above RRU SCOs had total SVOCs ranging from approximately 24 ppm to 54 ppm. Other SVOCs included trace to low-levels of naphthalenes and phthalates. SVOCs above UU SCOs are shown on Figure 5 and laboratory data are summarized in Table 2.

#### *METALS*

Metals were reported above RRU SCOs in shallow samples SB-1, SB-3 and SB-5 and deep sample SB-3 (7.5 to 9.5 feet). Peak levels included: cadmium (10.2 ppm, SCO 4.3 ppm), lead (550 ppm, SCO 400 ppm), and mercury (13 ppm at SB-3, SCO 0.81 ppm). Metals were reported above UU SCOs in shallow samples SB-4 and SB-6 (lead and/or mercury) and deep sample SB-5 (7 to 9 feet, chromium). Multiple metals were detected in all samples at concentrations below SCOs. Metals above UU SCOs are shown on Figure 6 and laboratory data are summarized in Table 3.

#### *PESTICIDES AND PCBs*

Pesticides (DDT and breakdown products, and dieldrin) were detected in shallow samples SB-1 and SB-2 above UU SCOs but well below RRU SCOs (e.g., 4,4'-DDT at 0.0228 ppm, UU SCO 0.0033 ppm, RRU SCO 7.9 ppm). Low levels of several other pesticides (chlordane compounds) were also found in SB-1. Low levels of PCBs, well below UU SCOs (0.1 ppm), were detected in shallow sample SB-1 (0.0519 ppm) and deep sample SB-3 (7.5 to 9.5 feet, 0.0455 ppm). Pesticides above UU SCOs are shown on Figure 7 and laboratory data for pesticides and PCBs are summarized in Table 4.

#### *NATURE AND EXTENT OF CONTAMINATION – SOIL*

Subsurface soils across the Site consist of contaminated fill materials to depths of 10 to 13 feet bgs. Field evidence of contamination observed during environmental investigations is limited to trace petroleum odors and staining at 4 to 9.5 feet in one soil boring (SB-3) at the southeastern portion of Lot 56.

Five of six shallow soil samples contained metals at concentrations above UU SCOs, with three samples having detected concentrations above RRU SCOs. Two locations with high metal concentrations (SB-1 and SB-2, central portion of Lot 56) also contained PAHs above RRU SCOs and pesticides above UU SCOs. Significant impacts in deeper soils are limited to PAH and metal concentrations above RRU SCOs at one location (SB-3 7.5 to 9.5 feet, southeastern portion of Lot 56, where field evidence of contamination was identified). There are no documented significant impacts from VOCs or PCBs. The chlorinated solvents tetrachloroethene (PCE) and/or trichloroethene (TCE) were reported in three shallow samples (SB-4 to SB-6, Lot 51) and in one deep sample (TCE only, SB-5 7 to 9 feet, northern portion of Lot 51). Impacts to Site soils are likely to be associated with fill materials and/or releases from historical commercial uses.

#### **2.3.4.2 Soil Vapor and Air Sampling**

Soil vapor was collected at six locations (SV-01 to SV-06), along with indoor (IA-01) and outdoor (OA-01) air samples, in January 2018. Three additional soil vapor samples (SV-07 to SV-09) were collected at the northern and eastern portions of Lot 51 (beneath the building slab) in July 2019. SV-02 to SV-04, and SV-06 were installed within the footprint of the proposed development to a depth of 12 feet bgs. Figure 4 shows the sample locations, and Figure 8 and Table 5 show laboratory data for soil vapor and air.

#### *SOIL VAPOR*

Contamination by chlorinated VOCs (cVOCs), primarily PCE and TCE, was documented throughout the Site, with the highest detected concentrations reported at SV-03, SV-05 and SV-07 at Lot 51. The highest levels of TCE were reported at 11,000  $\mu\text{g}/\text{m}^3$  (SV-07) and 4,800  $\mu\text{g}/\text{m}^3$  (SV-05), with a range of 520 to 970  $\mu\text{g}/\text{m}^3$  at all other locations (excluding SV-01 at the northern half of Lot 56, reported at 44  $\mu\text{g}/\text{m}^3$ ). PCE was reported at 1,200  $\mu\text{g}/\text{m}^3$  (SV-09), ranging from 72 to 750  $\mu\text{g}/\text{m}^3$  at other locations (excluding SV-01, and SV-05 at the northern half of Lot 56, reported at 15 and 11  $\mu\text{g}/\text{m}^3$ , respectively). PCE and TCE breakdown product cis-dichloroethene (DCE) was found only at low levels (peak value 3.6 at SV-05)

while trans-DCE and vinyl chloride were not detected. Carbon tetrachloride was reported at 100  $\mu\text{g}/\text{m}^3$  (SV-09).

High levels of petroleum VOCs (potentially related to gasoline) were reported at SV-03, including total xylenes at 1,910  $\mu\text{g}/\text{m}^3$ , p-ethyltoluene at 720  $\mu\text{g}/\text{m}^3$ , and 1,2,4-trimethylbenzene at 510  $\mu\text{g}/\text{m}^3$ , with concentrations less than 100  $\mu\text{g}/\text{m}^3$  reported for other similar compounds (e.g., benzene, n-heptane and n-hexane) throughout the Site. Trace to low-levels of multiple other compounds were detected in all samples.

#### *AIR*

Multiple compounds were detected in both samples, with only trace levels of two compounds (styrene and 4-methyl-2-pentanone;  $<1 \mu\text{g}/\text{m}^3$ ) reported in the indoor sample but not in the outdoor sample. PCE was reported in indoor air at 0.36  $\mu\text{g}/\text{m}^3$ , below the outdoor level at 0.58  $\mu\text{g}/\text{m}^3$ , and TCE was reported at 0.29  $\mu\text{g}/\text{m}^3$ , above the outdoor level of 0.086  $\mu\text{g}/\text{m}^3$ , but below the New York State Department of Health (NYSDOH) Air Guideline Level (2  $\mu\text{g}/\text{m}^3$ ). Low levels of benzene (2.6  $\mu\text{g}/\text{m}^3$ ), toluene (4.2  $\mu\text{g}/\text{m}^3$ ), cyclohexane (0.35  $\mu\text{g}/\text{m}^3$ ), n-heptane (2.6  $\mu\text{g}/\text{m}^3$ ), and propylene (2.6  $\mu\text{g}/\text{m}^3$ ) were reported in indoor air ranging from approximately 1.5 to 4.7 times outdoor air values.

#### *NATURE AND EXTENT OF CONTAMINATION – SOIL VAPOR AND AIR*

Elevated levels of cVOCs (PCE and TCE) are present in soil vapor throughout the Site, with the highest concentrations found at Lot 51, and elevated levels of VOCs associated with petroleum are present at the southwestern corner of Lot 51. This contamination does not appear to be correlated with any known significant on-site source areas in soil (substantial impacts are limited to metals and SVOCs) and may be attributable to historical Site activities, poor-quality fill, releases from contaminated Site groundwater and/or from releases at off-site areas. Other VOCs in vapor occur at trace to low levels typical of well-developed urban settings and locations with historical industrial uses.

Indoor air sampling results are generally consistent with the outdoor air sampling results, and indicate no significant contamination within the building on Lot 51. Given the high concentrations of TCE, PCE and xylenes in soil vapor and the absence of significant contamination in indoor air, existing data do not indicate likely soil vapor intrusion in the on-site building under current conditions.

## 2.4 Proposed Future Use of the Site

The proposed future use of the Site will consist of a new 4-story senior affordable housing residential building fronting Lexington Avenue, totaling sixty-one (61) residential units, with a maximum building height of 54 feet. The proposed building totals 34,647 square feet (sf) on the first through fourth floors, with an approximate 814 sf community room and garden on the roof. The ground floor will occupy a footprint of 5,946 sf and will consist of the lobby, residential units and storage spaces. A 5,239 sf cellar will contain communal and storage space, offices and mechanical rooms. The proposed development will occupy approximately 41.5% of the footprint of the Site, with the remaining 58.5% designated for onsite parking and associated drive lanes. The planned foundation depth is approximately 11 feet bgs. Based on known environmental conditions and likely response actions, the completed development project is expected to be managed as a Track 2 or Track 4 Restricted-Residential Use property.

### **3.0 SITE INVESTIGATION**

GBTS investigated groundwater quality through the installation, gauging and sampling of three (3) permanent on-site monitoring wells (MW-01 to MW-03).

Fieldwork activities, laboratory submission and a qualitative human health exposure analysis are presented below. Analytical results from previous soil and soil vapor sampling, and from groundwater sampling during the RI, are shown on Figures 5 to 12 and summarized in Tables 1 to 11, and laboratory reports are provided in Appendix D.

#### **3.1 General Provisions**

##### **3.1.1 Utility Markout and Identification of Subsurface Structures**

Prior to the initiation of fieldwork a request for a complete utility markout of the subject property was submitted in accordance with New York State Department of Labor regulations. Confirmation of all underground utility locations was secured and a field check of the utility markout was conducted prior to advancing soil borings and/or installing monitoring wells.

##### **3.1.2 Equipment Decontamination and Calibration**

Field equipment used during the RI was properly decontaminated prior to the initiation of fieldwork in accordance with NYSDEC guidelines, and all field instruments were properly calibrated in accordance with procedures set forth by the equipment manufacturer(s).

A photoionization detector (PID) was utilized by GBTS personnel to screen all encountered material for the presence of volatile organic vapors where appropriate. Prior to the initiation of fieldwork, this PID was properly calibrated to read parts per million calibration vapor equivalents (ppm-cge) of isobutylene in accordance with protocols set forth by the equipment manufacturer.

##### **3.1.3 Investigation Derived Waste**

Surplus soil recovered during soil sampling was backfilled within the originating borehole (to no closer than 12-inches of the surface). Water generated during development and sampling of wells was placed

into an approved container pending final off-site disposal. Discarded personal protective equipment and other fieldwork supplies were disposed as municipal solid waste.

#### **3.1.4 Subcontractors**

GBTS oversaw the installation of monitoring wells by AARCO Environmental Services Corp. (AARCO). The Health and Safety Plan (HASP) prepared for the RIWP was reviewed with all on-site subcontractors. GBTS personnel served as the Site Health and Safety officer during all on-site work. GBTS personnel developed all monitoring wells, surveyed sampling locations and the relative heights of the monitoring well casings, and collected all soil, soil vapor and groundwater samples.

Laboratory services were subcontracted to York Analytical Laboratories, Inc., a NYSDOH-certified laboratory (ELAP Certification Number 10602). Data Usability Summary services for the RIR data were provided by ZDataReports of Syracuse, New York (Section 3.3).

#### **3.1.5 Fieldwork Observations, Sample Collection and Sample Custody**

An assessment of field conditions (e.g., soil type, indications of contamination, PID readings) was made during sample collection. GBTS personnel maintained field logs documenting all field observations and measurements (see fieldwork logs in Appendix A).

All media samples were collected in a manner consistent with NYSDEC and NYSDOH sample collection protocols. Dedicated, disposable gloves were worn by all personnel handling samples, and media was placed into laboratory-supplied containers. Sample containers were maintained at cold temperature (4° C) prior to, and during, transport to the laboratory. Appropriate chain-of-custody procedures were followed.

Any non-dedicated sampling equipment was decontaminated prior to initiation of fieldwork and before each new sample location, as appropriate.

Groundwater samples were collected in a manner consistent with the most recent NYSDEC guidance for emerging contaminants (*Sampling for 1,4-Dioxane and Per- and Polyfluoroalkyl Substances [PFAS] Under DEC's Part 375 Remedial Programs*, June 2019). Field protocols were implemented to limit the possibility of cross contaminating samples with PFAS that may have originated from sampling equipment, clothing,

etc., including prohibiting use of field equipment containing Teflon or waterproofing chemicals, chemical (blue) ice packs, and unapproved personal care products.

### **3.1.6 Standards, Criteria and Guidance**

Standards, Criteria and Guidance (SCGs) applicable to RI sample analysis (and noted during the review of previous investigative finding for soil and soil vapor) are specified below.

#### *SOIL*

SCGs for soil analytes are based on NYSDEC Remedial Program UU and RRU SCOs, provided in 6 NYCRR Subpart 375, Tables 375-6.8(a) and 375-6.8(b), "Protection of Public Health" category. SCOs for soils are referenced in units of milligrams per kilogram (mg/kg, parts per million [ppm]).

#### *WATER*

SCGs for water analytes are based on Ambient Water Quality Standards and Guidance Values (AWQS) presented in NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1). SCGs for groundwater are referenced in units of micrograms per liter ( $\mu\text{g}/\text{L}$ , parts per billion [ppb]).

#### *SOIL VAPOR AND AIR*

The State of New York does not have any standards, criteria or guidance values for volatile chemicals in subsurface vapors (either soil vapor or sub-slab vapor). In the absence of SCG values, soil vapor samples collected during the RI were reviewed as a whole in conjunction with soil and groundwater results. Soil vapor results are provided in units of micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Where applicable, indoor air results were compared to NYSDOH Air Guideline Values (AGVs) presented in the NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006 (updates on the state website).

### **3.1.7 Documented Deviations from the Approved RIWP**

There were no significant deviations from the RIWP that were critical to the validity of the conclusions and recommendations presented in Section 4.0.

### **3.1.8 Air Monitoring**

Air monitoring was conducted for VOCs during all RI ground-intrusive fieldwork activities. No significant VOC readings were recorded. No visible dust was generated during well installation activities.



## 3.2 Groundwater Investigation

Groundwater quality was investigated through the installation, gauging and sampling of three (3) permanent wells (MW-01 to MW-03, installed during the RI). At least one sample from each well was collected and submitted for laboratory analysis. Figure 4 shows groundwater sampling locations.

### 3.2.1 Monitoring Well Installation

Permanent monitoring wells MW-01 to MW-03 were installed by AARCO on December 17, 2019 under the direct supervision of GBTS field personnel. The wells were installed using a mechanized drill rig with a 4.25-inch hollow-stem auger.

Each monitoring well was constructed of two-inch PVC casing with 10 to 15 feet of 0.01-inch slotted PVC well screening placed to extend at least 2 feet above the water table (screen intervals from 40 to 60 feet below grade). All wells points were set from approximately 54 to 61 feet bgs. The annular space around the well screen was backfilled with clean #1 silica sand to a depth of 1 to 2 feet above the well screen. At least a one-foot thick bentonite seal was poured above the sand pack and allowed to hydrate before grouting the remaining annular space with cement. All wells are equipped with a gripper casing cap. The top of the casing and cap were set just below surface grade and protected with drive-over steel covers.

No field evidence of contamination was observed in auger cuttings.

Well installation diagrams are presented in Appendix A. Monitoring well locations are shown in Figure 4.

### 3.2.2 Monitoring Well Development

Monitoring well development was conducted on December 17, 2019, in order to clear fine-grained material that might have settled around the well screen and to enhance the natural hydraulic connection between the well screen and the surrounding soils. Prior to development, each monitoring well casing was opened and the well column was immediately screened with a PID to document the presence of any volatile organic vapors. Water removed from each monitoring well was visually inspected for indications of contamination. Development was conducted using a submersible pump and was considered complete when all parameters (turbidity, conductivity, pH and temperature) stabilized.

Well development began at the top of the water column to prevent clogging of the pump by excessive sediment. The pump body acted as a surge-block by being raised and lowered within portions of the

screened interval to force water back and forth through the screen. Repeated surging and pumping was conducted to the bottom of the well casing until the discharged water appeared free of sediment and indicator parameters (pH, temperature, turbidity, dissolved oxygen and specific conductivity) had stabilized. The pump assembly was removed from the well while the pump was still running to avoid discharge of purged water back into the well. Any non-dedicated equipment was decontaminated between wells.

### 3.2.3 Groundwater Flow

Groundwater flow was calculated using measurements collected prior to the start of groundwater quality sampling. The general direction of groundwater flow was determined based on elevations of static groundwater using an electronic depth meter accurate to the nearest 0.01-foot. Groundwater depth (from top of casing), as recorded during the gauging event, ranged from between 41.03 feet (MW-03) and 43.82 feet (MW-01). Raw measurements were compared to well survey data<sup>1</sup> to generate groundwater elevation contours. Existing data indicate that groundwater flow direction is in an overall easterly direction (shown on Figure 13). The rate of groundwater flow was not determined.

### 3.2.4 Sample Collection Methodology

Groundwater samples were collected from MW-01 and MW-03 on January 3 and from MW-02 on January 14, 2020. A total of 3 water samples (excluding duplicates) were collected, using laboratory-supplied containers.

Prior to sampling, each monitoring well casing was opened and the well column was immediately screened with a PID to document the presence of any volatile organic vapors. Water samples were collected following US EPA “Low Stress” (low flow) methodology, after field parameters stabilized during purging. Each groundwater sample was collected in 40 ml vials, 1-liter amber jars and 250 ml plastic jars, preserved with acid as appropriate for the specific analysis. PFA samples were collected in dedicated PFA-free 250 ml plastic jars. Groundwater samples were not filtered prior to submission to the laboratory.

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<sup>1</sup> A well survey was completed by Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. (a licensed NYS professional surveyor) on August 26, 2020. A copy of the survey is provided in Appendix E.

### 3.2.5 Fieldwork Observations

PID readings of 7.1 ppm (MW-01), 1.6 ppm (MW-02), and 4.7 ppm (MW-03) were noted at the top of the casing after removing the protective cap at monitoring wells MW-01 and MW-03. No other evidence of contamination was observed at any monitoring wells.

### 3.2.6 Laboratory Results – Groundwater

Water samples from each well were submitted for laboratory analysis of Target Compound List (TCL) VOCs and SVOCs (plus 30 tentatively identified compounds [TICs]; EPA 8260/8270), TAL metals (total and dissolved, EPA 6010/7471), pesticides and PCBs (EPA 8081/8082), 1,4-dioxane (EPA 8270 SIM) and PFAS (EPA 537 modified). Figure 4 shows sampling locations and laboratory analytical data are shown on Figures 9 through 12. Laboratory reports are provided in Appendix D.

#### 3.2.6.1 Water Analysis: VOCs

Significant groundwater contamination by VOCs is limited to elevated levels of PCE and TCE in all wells, with PCE (AWQS 5 ppb) ranging from 11 to 22 ppb, and TCE (AWQS 5 ppb) ranging from 11 to 23 ppb. Low levels of cis-DCE (AWQS 5 ppb) were reported in all wells ranging from 0.99 to 1.1 ppb. The highest values, as well as low level tert-butyl alcohol (3.4 ppb, AWQS not established), were reported at MW-02. Trace to low levels of acetone, chloroform and chloromethane were found in one or more samples. Petroleum compounds were not reported in the groundwater samples. One TIC (dimethyl naphthalene isomer) was reported at 6.3 ppb at MW-2. VOCs above AWQS are shown on Figure 9 and laboratory data are summarized in Table 6.

#### 3.2.6.2 Water Analysis: SVOCs

Significant SVOC contamination is limited to 2,4-dinitrotoluene (12.5 ppb, AWQS 5 ppb) in MW-03, bis(2-ethylhexyl)phthalate (12.8 ppb, AWQS 5 ppb) in MW-01 (detected in the laboratory blank and likely to be a cross-contaminant), and benzo(a)anthracene and chrysene (0.06 and 0.05 ppb, respectively, AWQS 0.002 ppb) in the MW-03 duplicate sample. Trace levels of PAHs were reported for all samples. No TICs were reported. SVOCs above AWQS are shown on Figure 10 and laboratory data are summarized in Table 7.

### 3.2.6.3 Water Analysis: Metals

Multiple metals were reported in all groundwater samples, with elevated levels (peak values shown) of total chromium (3,390 ppb, AWQS 50 ppb), cobalt (10.7 ppb, AWQS 5 ppb), iron (3,000 ppb, AWQS 300 ppb), manganese (1,230, AWQS 300 ppb), nickel (197 ppb, AWQS 100 ppb), sodium 119,000 ppb, AWQS 20,000) and vanadium (14.5 ppb, AWQS 14 ppb). With the exception of iron and vanadium, elevated levels of total metals are primarily due to dissolved concentrations. Peak levels of metals generally occurred at MW-01 (only well containing silver [48.5 ppb total and 42.6 ppb dissolved, AWQS 50 ppb]). Concentrations of common metals (low levels of aluminum, calcium, magnesium, and potassium, and elevated levels of sodium) are consistent across the Site, suggesting that these impacts are related to local-area groundwater conditions. Metals above AWQS are shown on Figure 11 and laboratory data for total and dissolved metals are summarized in Table 8 and Table 9, respectively.

### 3.2.6.4 Water Analysis: Pesticides and PCBs

Pesticides and PCBs were not detected in any groundwater samples. Laboratory data for pesticides and PCBs are summarized in Table 10.

### 3.2.6.5 Water Analysis: Emerging Contaminants

PFAS were detected in all samples, with total concentrations ranging from 0.156 to 0.201 ppb (average 0.179 ppb). Total PFOS and PFOA ranged from 0.065 to 0.136 ppb (average 0.101 ppb). [Note: US EPA has established a health advisory of 0.070 ppb for total PFOS and PFOA in drinking water.] Peak values were reported at MW-01. 1,4-Dioxane was not found in any samples. PFAS detected in groundwater are shown on Figure 12 and laboratory data are summarized in Table 11.

## 3.2.7 Nature and Extent of Contamination – Groundwater

Field evidence of contamination observed during environmental investigations is limited to PID readings below 10 ppm at two of three wells. Site groundwater at all wells contains elevated levels of PCE, TCE, and metals (total and dissolved), and elevated levels of several SVOCs in one well (MW-03). PFAS are present in groundwater (average concentrations exceed the US EPA health advisory for drinking water). Petroleum compounds, pesticides and PCBs were not detected in any samples.

Existing soil data do not indicate a significant on-site source area that is likely to have resulted in cVOC contamination (only trace levels of PCE and TCE were found in Site soil). Similarly, high levels of metals (cadmium, lead and mercury) found in Site soils do not appear to have resulted in significant impacts. Contamination by PAHs may be related to limited areas of these compounds (e.g., benzo(a)anthracene and chrysene) found at high levels in soil. Given the historical commercial uses in the surrounding area, on-site groundwater contamination (in whole or in part) may be attributable to on-site and/or off-site releases.

### **3.3 Data Generation and Validation**

Complete laboratory data packages (ASP Category B Deliverables), containing all laboratory data generated during execution of the RIWP, were provided to an independent, third-party data validator, for preparation of Data Usability Summary Reports (DUSRs; to be provided in Appendix B).

### **3.4 Qualitative Human Health Exposure Assessment**

An exposure assessment was conducted to qualitatively assess the potential impacts of known environmental contaminants associated with the Site on human health, with attention to all possible exposure pathways (i.e. ingestion, inhalation and direct contact).

Both current (existing conditions) and future use (proposed restricted-residential or mixed restricted-residential/commercial use) scenarios were considered. Contaminants were assessed relative to specific impacted media. The primary contaminants of concern at the Site are metals and SVOCs (PAHs) in soils, cVOCs in soil vapor, and cVOCs, metals, PAHs and PFAS in groundwater. On-site workers (or trespassers) present during remediation and/or future development activities are the most likely receptor population.

The following section evaluates the elements associated with exposure pathways, and describes how each of these elements pertains to the Site. For all media, the implementation of a HASP and a CAMP will mitigate possible impacts to both on-site and off-site receptor populations. Any on-site or off-site development activities that involve disturbance, exposure or contact with contaminated soil, soil vapor or groundwater will require monitoring and mitigation plans to address potential direct contact with media, dust generation and contaminant migration.

### 3.4.1 Soil

Direct contact, ingestion and/or inhalation (of particulate matter) are the primary exposure pathways for contaminated soils. People can come into contact if they participate in ground-intrusive work at the Site, or are exposed to dust generated during construction activities that disturb contaminated soil. Outside of excavation activities, there are no likely significant exposures to contaminated soil, either on the Site or at off-site areas.

The potential exists for low-level contamination to be present after the completion of remediation and Site development activities. All potential exposure pathways (direct contact, ingestion or inhalation) will likely be mitigated as soils would have been remediated and/or access to soils would be limited by use of engineering controls (e.g., paved areas and building foundations).

### 3.4.2 Soil Vapor

Potential exposure pathways include vapor intrusion within any new Site structures and at off-site properties, and direct contact and/or inhalation of contaminated soil vapor generated during soil excavation or remedial construction. A CAMP would be implemented at the Site (and, as required, at off-site areas) to monitor air quality and minimize potential exposures to vapors for both construction works and the public.

The potential for on-site and off-site exposure to soil vapor may decrease after subsurface soils have been remediated (on-site vapor contamination may be the result of known impacts to groundwater, or originate from off-site releases, neither of which are likely to be remediated). Post-remediation sampling results will document contaminant levels in remaining media and will determine the need for any on-site and off-site vapor intrusion studies, and the need for any on-site engineering controls or building design features (e.g., sub-slab depressurization system) to mitigate soil vapor intrusion.

### 3.4.3 Groundwater

Direct contact and/or ingestion are the primary exposure pathways for contaminated groundwater. Impacted groundwater is not being used for drinking water (or any other purposes) at the Site or at off-site areas, as the area is served by the public water supply. No known private wells exist in the vicinity of the Site. Given that groundwater depth has been documented at more than 40 feet below the surface,

well below any planned or potential excavation depths, it is not likely that people will come into contact if they participate in ground-intrusive work at the Site. Dissolved contaminants may be reduced as a result of Site remediation.

### 3.4.4 Overview of Current and Potential Exposures

Environmental Media and Exposure Route	Human Exposure Assessment
<p>Soil: Direct contact, ingestion and/or inhalation (particulates)</p>	<p>People can come into contact if they trespass at the site, participate in ground-intrusive work, or are exposed to dust generated during construction activities. Within excavation areas, contact is generally a concern for work conducted at depths near or below the groundwater table; outside of excavation activities, there are no likely on-site or off-site exposures. The potential exists for low-level contamination to remain at on-site areas after remediation and development activities. All potential exposure pathways (direct contact, ingestion or inhalation) will likely be mitigated as subsurface soils would have been remediated and/or access to subsurface soils would be limited by paved areas and building foundations.</p>
<p>Air: Inhalation (exposures related to soil vapor intrusion)</p>	<p>Potential exposure pathways include vapor intrusion within any new structures and at off-site properties, and direct contact and/or inhalation of contaminated soil vapor during soil excavation or remedial construction. A CAMP would be implemented to monitor air quality and minimize potential exposures for both construction works and the public. Potential exposures may decrease after subsurface soils have been remediated (on-site vapor contamination may be the result of known impacts to groundwater, or originate from off-site releases, neither of which are likely to be remediated). Post-remediation sampling results will be used to determine the need for any vapor intrusion studies, and the need for any modifications to proposed engineering controls or building design features (e.g., SSDS) to mitigate soil vapor intrusion.</p>
<p>Groundwater: Direct contact and/or ingestion</p>	<p>Impacted groundwater is not being used for drinking water (or any other purposes) either on- or off-site, as the area is served by a public water supply. No known private wells exist in the vicinity of the Site. Given that groundwater depth has been documented at more than 40 feet below the surface, well below any planned or potential excavation depths, it is not likely that people will come into contact if they participate in ground-intrusive work at the Site. Dissolved contaminants in groundwater may be reduced as a result of Site remediation.</p>

## 4.0 FINDINGS AND CONCLUSIONS

GBTS has completed the environmental investigative services summarized in Section 3.0 for the Site located at 811-817 Lexington Avenue in the Bedford-Stuyvesant neighborhood in Brooklyn, New York (Tax Lot Parcels Block 1622, Lot 51 and Lot 56). The investigation was performed to document the extent of contamination at the Site, potentially the result of former commercial uses.

Investigation of soil and soil vapor was previously conducted by ALC Environmental following a Remedial Investigation Work Plan and Supplemental Subsurface Investigation and Pilot Study Work Plan approved by the NYC City Mayor's Office of Environmental Remediation. GBTS conducted an additional Site groundwater investigation in order to complete this Remedial Investigation Report and to provide data required for determination of appropriate response actions to identified environmental conditions.

### 4.1 Findings

#### 4.1.1 Soil Contamination

Subsurface soils across the Site consist of contaminated fill materials to depths of 10 to 13 feet bgs. Field evidence of contamination observed during environmental investigations is limited to petroleum odors and staining at 4 to 9.5 feet in one soil boring (SB-3) at the southeastern portion of Lot 56. Five of six shallow soil samples contain metals at concentrations above UU SCOs, with three samples having concentrations above RRU SCOs. Two locations with high metal concentrations (SB-1 and SB-2, central portion of Lot 56) also contain PAHs above RRU SCOs and pesticides above UU SCOs. Significant impacts in deeper soils are limited to PAH and metal concentrations (above RRU SCOs) at one location. There are no significant impacts from VOCs or PCBs. Low levels of PCE and/or TCE were reported in three shallow samples (SB-4 to SB-6, Lot 51) and in one deep sample (SB-5 7 to 9 feet, northern Lot 51).

#### 4.1.2 Soil Vapor Contamination

Elevated levels of cVOCs (PCE and TCE) are present in soil vapor throughout the Site, with the highest concentrations found at Lot 51, and elevated levels of VOCs associated with petroleum are present at the southwestern corner of Lot 51. This contamination does not appear to be correlated with any known current significant on-site source areas in soil (substantial impacts are limited to metals and SVOCs).



Other VOCs in vapor occur at trace to low levels typical of well-developed urban settings and locations with historical industrial uses.

Indoor air sampling results are generally consistent with the outdoor air sampling results, and indicate no significant contamination within the building on Lot 51. Given the high concentrations of TCE, PCE and xylenes in soil vapor and the absence of significant contamination in indoor air, existing data do not indicate likely soil vapor intrusion in the on-site building under current conditions.

#### **4.1.3 Groundwater Contamination**

Field evidence of contamination observed during environmental investigations is limited to PID readings below 10 ppm at two of three wells.

Groundwater at all wells contains elevated levels of PCE, TCE, and metals (total and dissolved), and elevated levels of several SVOCs in one well (MW-03). PFAS are present in groundwater at levels above the US EPA health advisory for drinking water. Petroleum compounds, pesticides and PCBs were not detected in any samples.

Existing soil data do not indicate a current significant on-site source area that is likely to have resulted in cVOC contamination (only trace levels of PCE and TCE were found in soil). Similarly, high levels of metals (cadmium, lead and mercury) found in Site soils do not appear to have resulted in significant impacts. Contamination by PAHs may be related to limited areas of these compounds (e.g., benzo(a)anthracene and chrysene) found at high levels in soil.

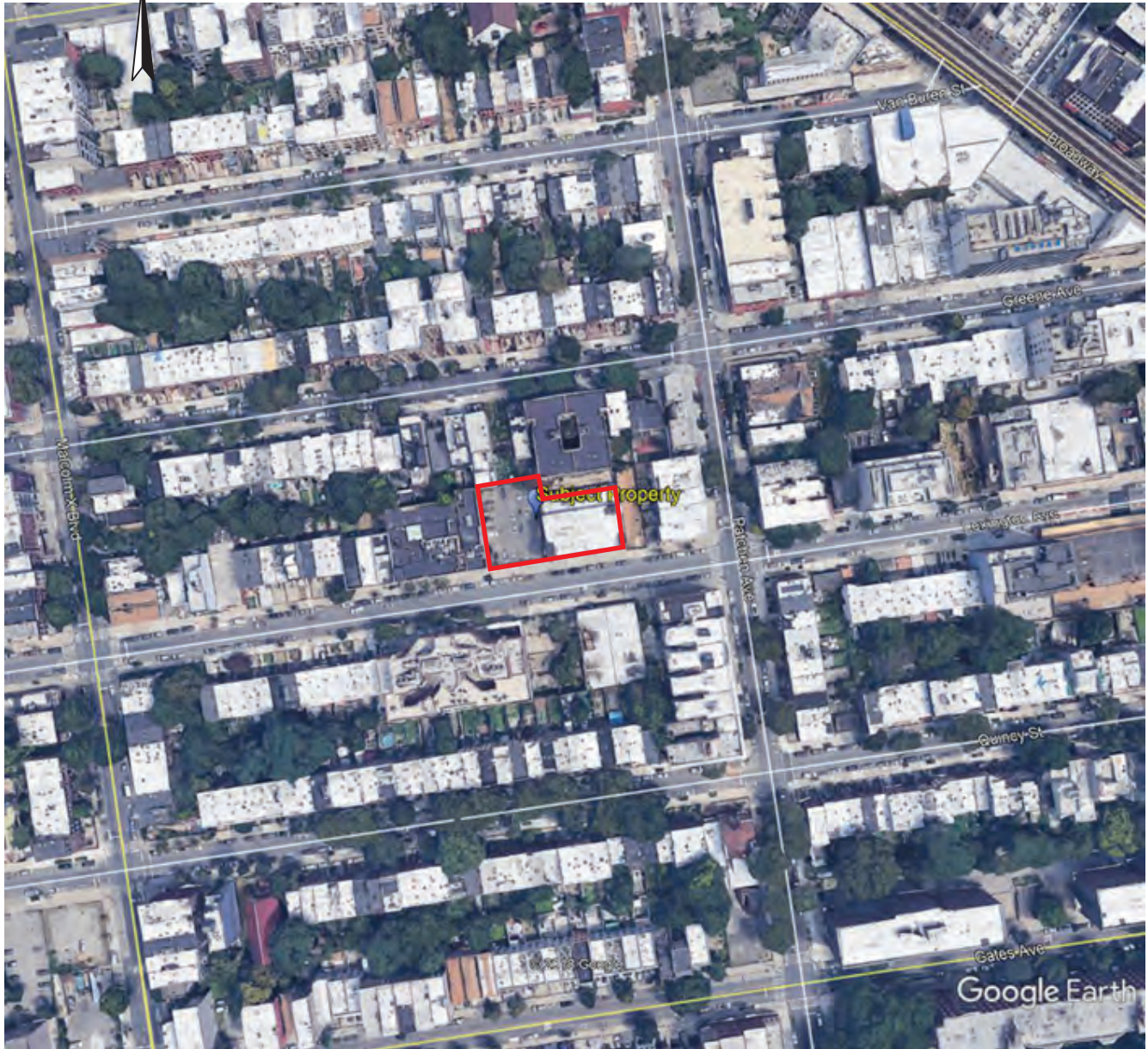
## **4.2 Conclusions**

Site investigative work has been completed with respect to soil, soil vapor and groundwater contamination. Based on the work conducted to date, the following general conclusions are reached:

- Metal and PAH contamination in soil is likely to be associated with poor quality fill materials and/or releases from historical commercial uses. Site remediation will likely need to target surface soil throughout the Site, with limited “hot spot” removal of deeper soils (additional pre-design soil investigation may be warranted during development to further evaluate subsurface conditions and provide real-time guidance during implementation of the selected remedy).

- Documented soil vapor contamination (elevated PCE, TCE and petroleum compounds) may be attributable to historical Site activities, poor-quality fill, releases from Site groundwater and/or from releases at off-site areas. Given the absence of any currently identified significant source areas in on-site soil, excavation during future Site development may not result in significant reductions of soil vapor contamination and engineering controls (e.g., sub-slab depressurization system [SSDS]) may be required to mitigate soil vapor intrusion.
- Based on existing data, groundwater contamination by PCE, TCE and metals is not likely to be related to current on-site soil conditions; PAHs in soil, however, may contribute to poor groundwater quality, which could improve after Site remediation. Overall, groundwater contamination is not present at levels warranting a direct response action and may (in whole or in part) be attributable to on-site and/or off-site releases. Since groundwater is located more than 40 feet below the surface (below any practical excavation depth), it is unlikely to be substantially affected by Site remediation activities and therefore may constitute an ongoing source of PCE and TCE in soil vapor.
- A “pre-design” investigation should be conducted following demolition of the structure on Lot 51 in order to more fully investigate potential source areas for soil vapor contamination, and provide additional Site-wide data in support of the remedial action, including installation of monitoring wells at Lot 51 and collection of additional soil, soil vapor and groundwater samples.
- Based on known environmental conditions and likely response actions, the completed development project is expected to be managed as a Track 2 or Track 4 Restricted-Residential Use property.

## FIGURES



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

**Figure 1: Site Location Map**

811-817 Lexington Avenue  
Borough of Brooklyn, New York

Legend:

 subject property border

File No: IB19062.40

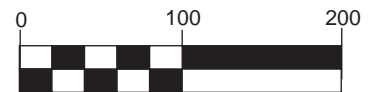
September 2020

Figures



Legend:

- 1 & 2 Family Residential
- Multi-family Residential
- Mixed Use
- Open space & outdoor recreation
- Commercial
- Institutions
- Industrial
- Parking
- Transportation / Utilities
- Vacant Lots
- Buildings



SCALE IN FEET  
(APPROXIMATELY)

**Figure 2: Area of Land Uses**

811-817 Lexington Avenue  
Borough of Brooklyn, New York

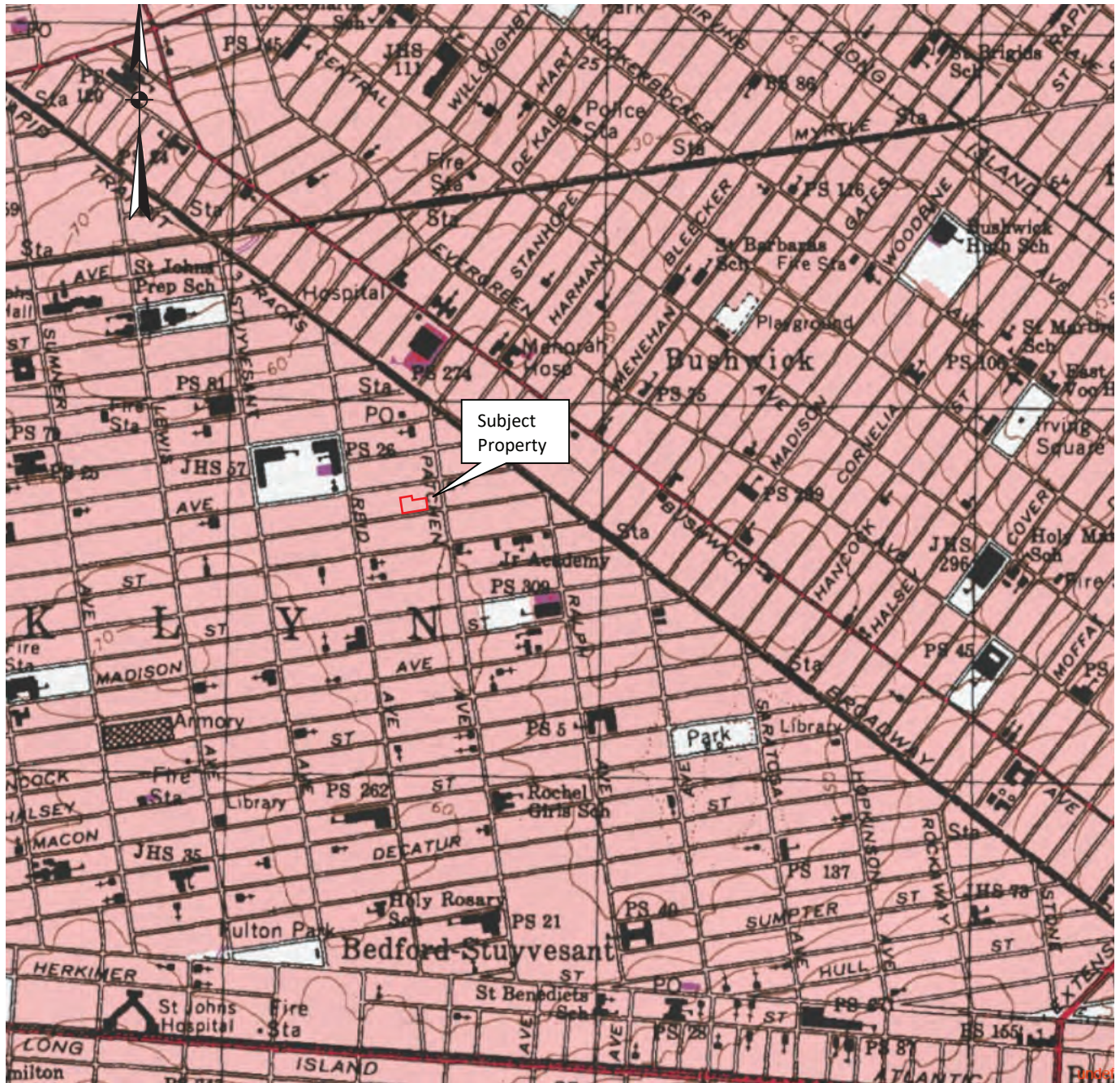
Legend:

subject property border

File No: IB19062.40

September 2020

Appendix A



Source: USGS Topographic Map of the Brooklyn, NY Quadrangle, dated 1995, digital image provided by MyTopo.com

**Figure 3: Topographic Map**

811-817 Lexington Avenue  
Borough of Brooklyn, New York

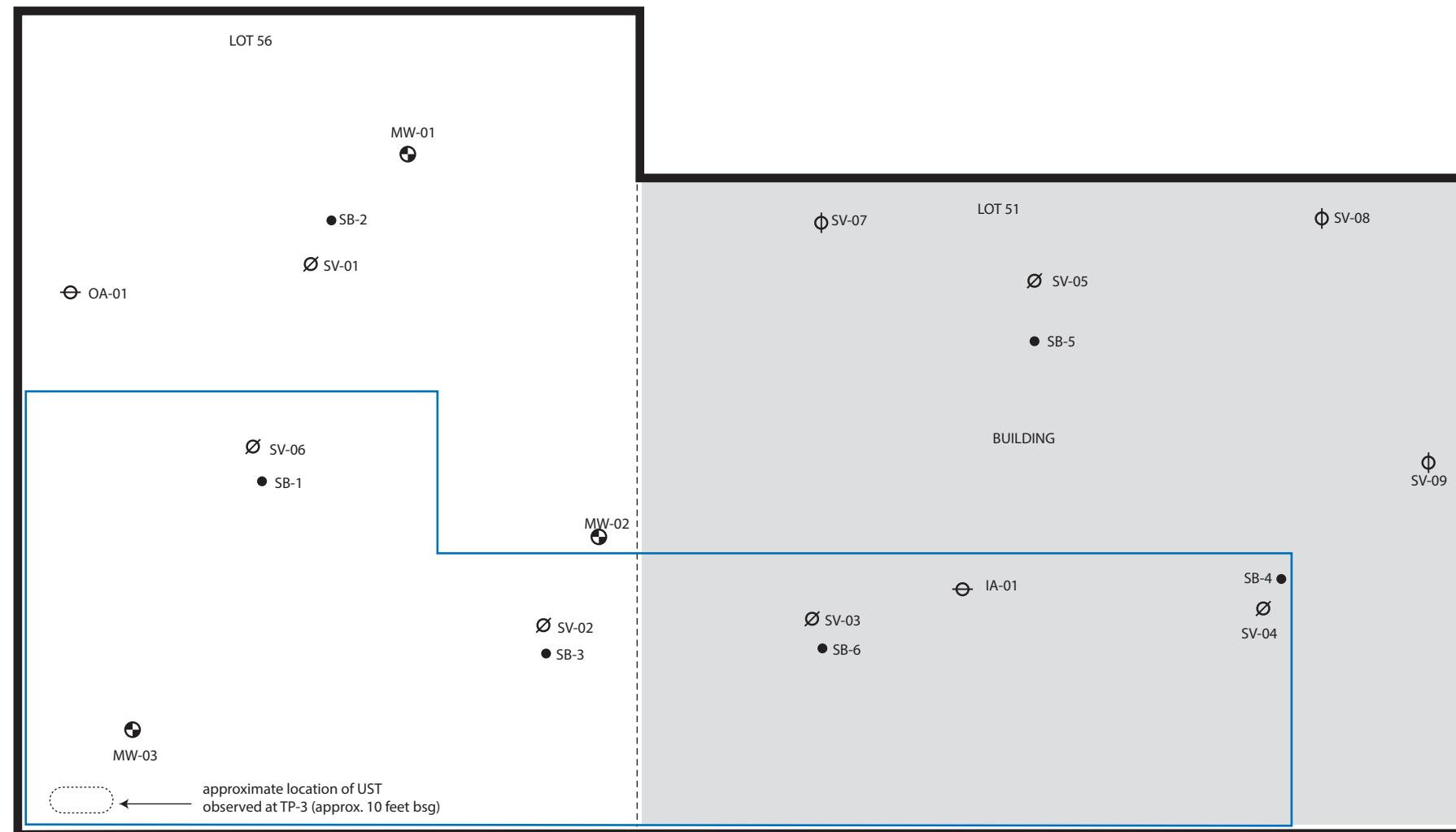
Legend:

— subject property border

File No: IB19062.40

September 2020

Figures

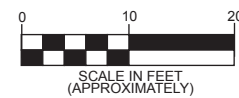


811

sidewalk

817

LEXINGTON AVENUE



SCALE IN FEET  
(APPROXIMATELY)

Legend:	
	subject property border
	lot line
	proposed building outline
	ALC Environmental soil boring location (January 2018)
	ALC Environmental soil vapor location (January 2018)
	ALC Environmental ambient air sample location (January 2018)
	ALC Environmental soil vapor location (July 2019)
	GB monitoring well location (December 2019)

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

### Figure 4: Sampling Location Map

811-817 Lexington Avenue  
Borough of Brooklyn, New York



File: IB19062.40

Scale as shown

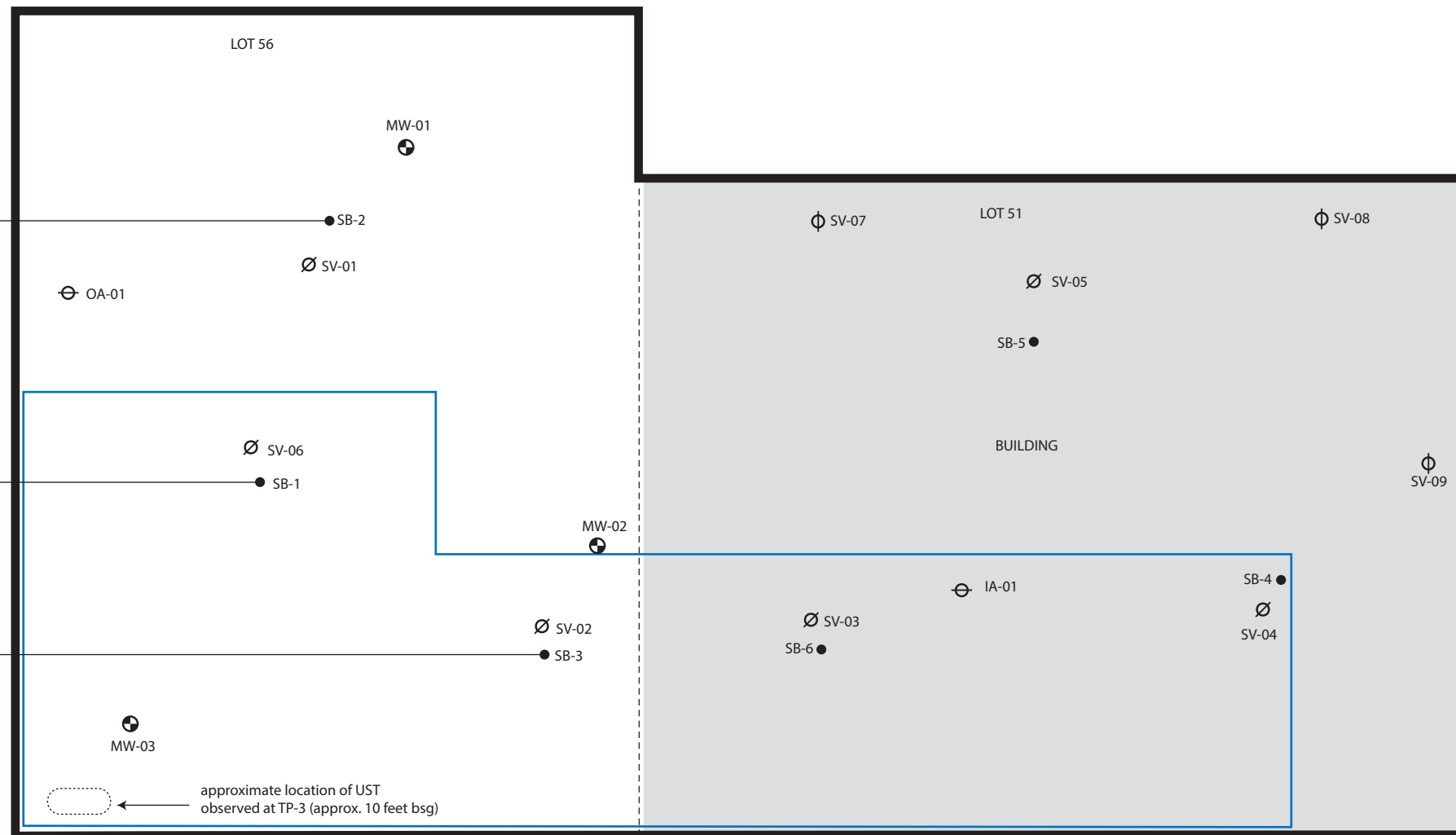
September 2020 | Figures



SB-2 1'-3"	
(2018-01-10)	
SVOCs, 8270	
Benzo(a)anthracene	2.27
Benzo(a)pyrene	1.37
Benzo(b)fluoranthene	1.86
Benzo(k)fluoranthene	1.08
Chrysene	2.36
Indeno(1,2,3-cd)pyrene	0.564

SB-1 1'-3"	
(2018-01-10)	
SVOCs, 8270	
Benzo(a)anthracene	3.13
Benzo(a)pyrene	1.81
Benzo(b)fluoranthene	2.47
Benzo(k)fluoranthene	1.52
Chrysene	3.55
Indeno(1,2,3-cd)pyrene	0.688

SB-3 7.5'-9.5"	
(2018-01-10)	
SVOCs, 8270	
Benzo(a)anthracene	4.09
Benzo(a)pyrene	3.32
Benzo(b)fluoranthene	3
Benzo(k)fluoranthene	2.95
Chrysene	4.23
Dibenzo(a,h)anthracene	0.726
Indeno(1,2,3-cd)pyrene	2.49



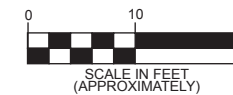
approximate location of UST  
observed at TP-3 (approx. 10 feet bsg)

811

sidewalk

817

LEXINGTON AVENUE



Legend:

- subject property border
- lot line
- proposed building outline
- ALC Environmental soil boring location (January 2018)
- ALC Environmental soil vapor location (January 2018)
- ALC Environmental ambient air sample location (January 2018)
- ALC Environmental soil vapor location (July 2019)
- GB monitoring well location (December 2019)

All data in mg/Kg (ppm)  
Analyte Above UUSCO  
Analyte Above RRUSCO

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

### Figure 5: SVOCs in Soil

811-817 Lexington Avenue  
Borough of Brooklyn, New York

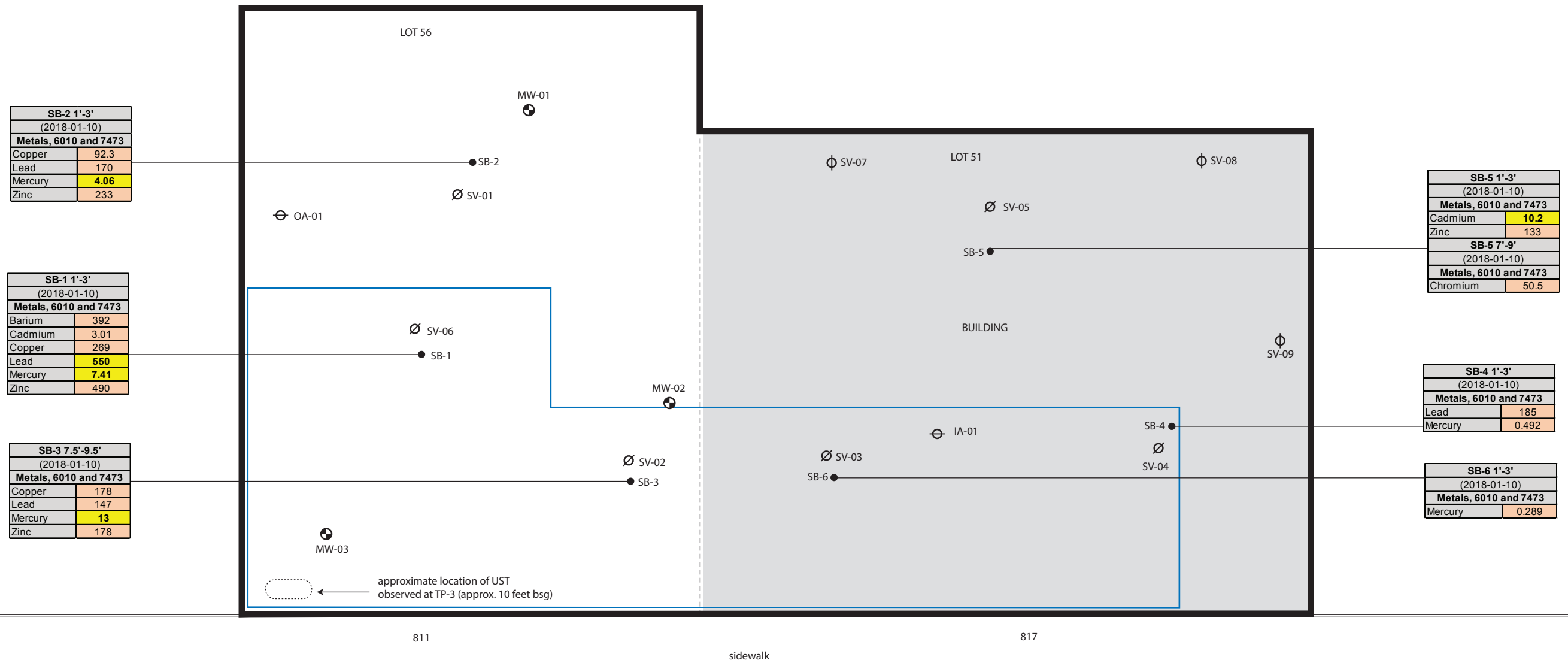


File: IB19062.40

Scale as shown

September 2020 | Appendix A



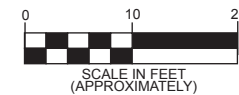


811

sidewalk

817

LEXINGTON AVENUE



**Legend:**

- subject property border
- - - lot line
- proposed building outline
- ALC Environmental soil boring location (January 2018)
- ∅ ALC Environmental soil vapor location (January 2018)
- ⊖ ALC Environmental ambient air sample location (January 2018)
- ⊕ ALC Environmental soil vapor location (July 2019)
- ⊕ GB monitoring well location (December 2019)

All data in mg/Kg (ppm)

Analyte Above UUSCO
Analyte Above RRUSCO

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

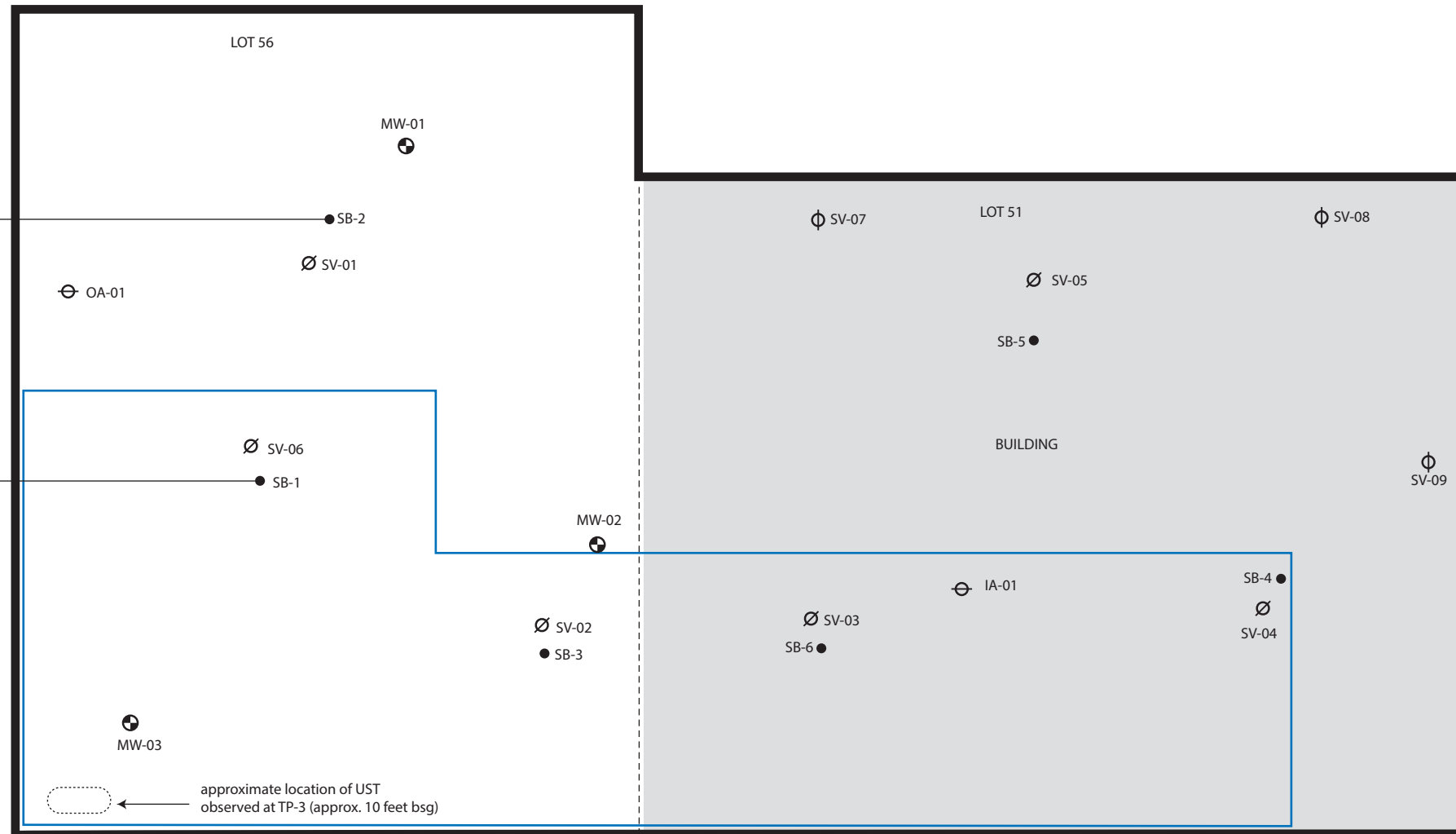
**Figure 6: TAL Metals in Soil**

811-817 Lexington Avenue Borough of Brooklyn, New York	GALLAGHER BASSETT   TECHNICAL SERVICES	File: IB19062.40
		Scale as shown
		September 2020   Appendix A



SB-2 1'-3"	
(2018-01-10)	
Pesticides, 8081	
4,4'-DDE	0.00432
4,4'-DDT	0.00861

SB-1 1'-3"	
(2018-01-10)	
Pesticides, 8081	
4,4'-DDD	0.0165
4,4'-DDE	0.012
4,4'-DDT	0.0228
Dieldrin	0.0104

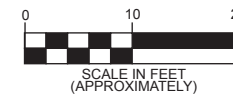


811

sidewalk

817

LEXINGTON AVENUE



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

**Legend:**

- subject property border
- lot line
- proposed building outline
- ALC Environmental soil boring location (January 2018)
- ∅ ALC Environmental soil vapor location (January 2018)
- ⊖ ALC Environmental ambient air sample location (January 2018)
- ⊕ ALC Environmental soil vapor location (July 2019)
- ⊗ GB monitoring well location (December 2019)

All data in mg/Kg (ppm)	
Analyte	Above UUSCO
Analyte	Above RRUSCO

## Figure 7: Pesticides in Soil

811-817 Lexington Avenue  
Borough of Brooklyn, New York



File: IB19062.40

Scale as shown

September 2020 | Appendix A



SV-01 (2018-01-10)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	7.1
1,2-Dichlorobenzene	1.2
1,3,5-Trimethylbenzene	3.6
1,3-Butadiene	47
1,3-Dichlorobenzene	4
1,4-Dichlorobenzene	1.6
2-Butanone	18
2-Hexanone	7
Acetone	51
Benzene	54
Carbon disulfide	22
Carbon tetrachloride	0.33
Chlorobenzene	11
Chloroform	5.1
Chloromethane	2.6
Cyclohexane	6.9
Dichlorodifluoromethane	2.9
Ethyl acetate	4.1
Ethyl Benzene	8.1
Isopropanol	10
Methylene chloride	2.8
n-Heptane	46
n-Hexane	81
o-Xylene	16
p- & m- Xylenes	19
p-Ethyltoluene	8.4
Propylene	610
Tetrachloroethylene	15
Tetrahydrofuran	36
Toluene	34
Trichloroethylene	44
Trichlorofluoromethane (Freon 11)	4.5

SV-07 (2019-07-18)	
VOCs, TO-15	
2-Butanone	9.8
Acetone	35
Benzene	5.6
Carbon tetrachloride	5
Chloroform	19
cis-1,2-Dichloroethylene	3.8
Ethyl Benzene	7.6
Isopropanol	12
n-Heptane	15
n-Hexane	7.3
o-Xylene	8.3
p- & m- Xylenes	26
Propylene	53
Tetrachloroethylene	750
Toluene	33
Trichloroethylene	11,000

SV-08 (2019-07-18)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	3.8
1,3-Butadiene	12
1,3-Dichlorobenzene	5.7
2-Butanone	10
Acetone	42
Acrylonitrile	0.74
Benzene	7.5
Carbon disulfide	1.9
Carbon tetrachloride	9.6
Chlorobenzene	3
Chloroform	7.1
Cyclohexane	1.2
Dichlorodifluoromethane	2.4
Ethyl Benzene	5
Isopropanol	25
Methylene chloride	8
n-Heptane	7.1
n-Hexane	3.5
o-Xylene	5
p- & m- Xylenes	18
p-Ethyltoluene	4.5
Propylene	77
Tetrachloroethylene	740
Tetrahydrofuran	3
Toluene	30
Trichloroethylene	910

SV-05 (2018-01-10)	
VOCs, TO-15	
1,1-Dichloroethylene	4.6
1,2,4-Trimethylbenzene	6.2
1,2-Dichlorobenzene	1.1
1,3,5-Trimethylbenzene	3.1
1,3-Butadiene	44
1,3-Dichlorobenzene	3.4
1,4-Dichlorobenzene	1.4
2-Butanone	10
2-Hexanone	6.5
Acetone	27
Benzene	37
Carbon disulfide	22
Carbon tetrachloride	2.6
Chlorobenzene	9.3
Chloroform	14
Chloromethane	1.3
cis-1,2-Dichloroethylene	3.6
Cyclohexane	7
Dichlorodifluoromethane	2
Ethyl acetate	2.8
Ethyl Benzene	4.7
Isopropanol	5.1
Methylene chloride	2.7
n-Heptane	20
n-Hexane	28
o-Xylene	12
p- & m- Xylenes	14
p-Ethyltoluene	7.5
Propylene	520
Tetrachloroethylene	150
Tetrahydrofuran	27
Toluene	17
trans-1,2-Dichloroethylene	0.55
Trichloroethylene	4,800
Trichlorofluoromethane (Freon 11)	1.6

OA-01 (2018-01-10)	
VOCs, TO-15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.41
1,2,4-Trimethylbenzene	3.8
1,3,5-Trimethylbenzene	1.1
2-Butanone	1.3
Acetone	4.4
Benzene	1
Carbon tetrachloride	0.37
Chloromethane	0.89
Cyclohexane	0.24
Dichlorodifluoromethane	2.2
Ethyl acetate	0.73
Ethyl Benzene	1.9
Isopropanol	0.3
Methylene chloride	0.41
n-Heptane	0.55
n-Hexane	0.64
o-Xylene	2.3
p- & m- Xylenes	6
p-Ethyltoluene	4
Propylene	0.79
Tetrachloroethylene	0.58
Tetrahydrofuran	0.88
Toluene	3.2
Trichloroethylene	0.086
Trichlorofluoromethane (Freon 11)	0.93

SV-06 (2018-01-10)	
VOCs, TO-15	
1,1-Dichloroethylene	0.68
1,2,4-Trimethylbenzene	11
1,2-Dichlorobenzene	0.94
1,3,5-Trimethylbenzene	4.7
1,3-Butadiene	21
1,3-Dichlorobenzene	2.5
1,4-Dichlorobenzene	1.2
2-Butanone	12
2-Hexanone	5.3
Acetone	43
Benzene	31
Carbon disulfide	44
Carbon tetrachloride	0.89
Chlorobenzene	6.9
Chloroform	8.3
Chloromethane	1.3
cis-1,2-Dichloroethylene	0.56
Cyclohexane	3.8
Dichlorodifluoromethane	3.2
Ethyl acetate	1.8
Ethyl Benzene	6.6
Isopropanol	4.9
Methylene chloride	1.6
n-Heptane	35
n-Hexane	62
o-Xylene	10
p- & m- Xylenes	15
p-Ethyltoluene	11
Propylene	190
Styrene	2.4
Tetrachloroethylene	72
Tetrahydrofuran	20
Toluene	28
Trichloroethylene	520
Trichlorofluoromethane (Freon 11)	9.1

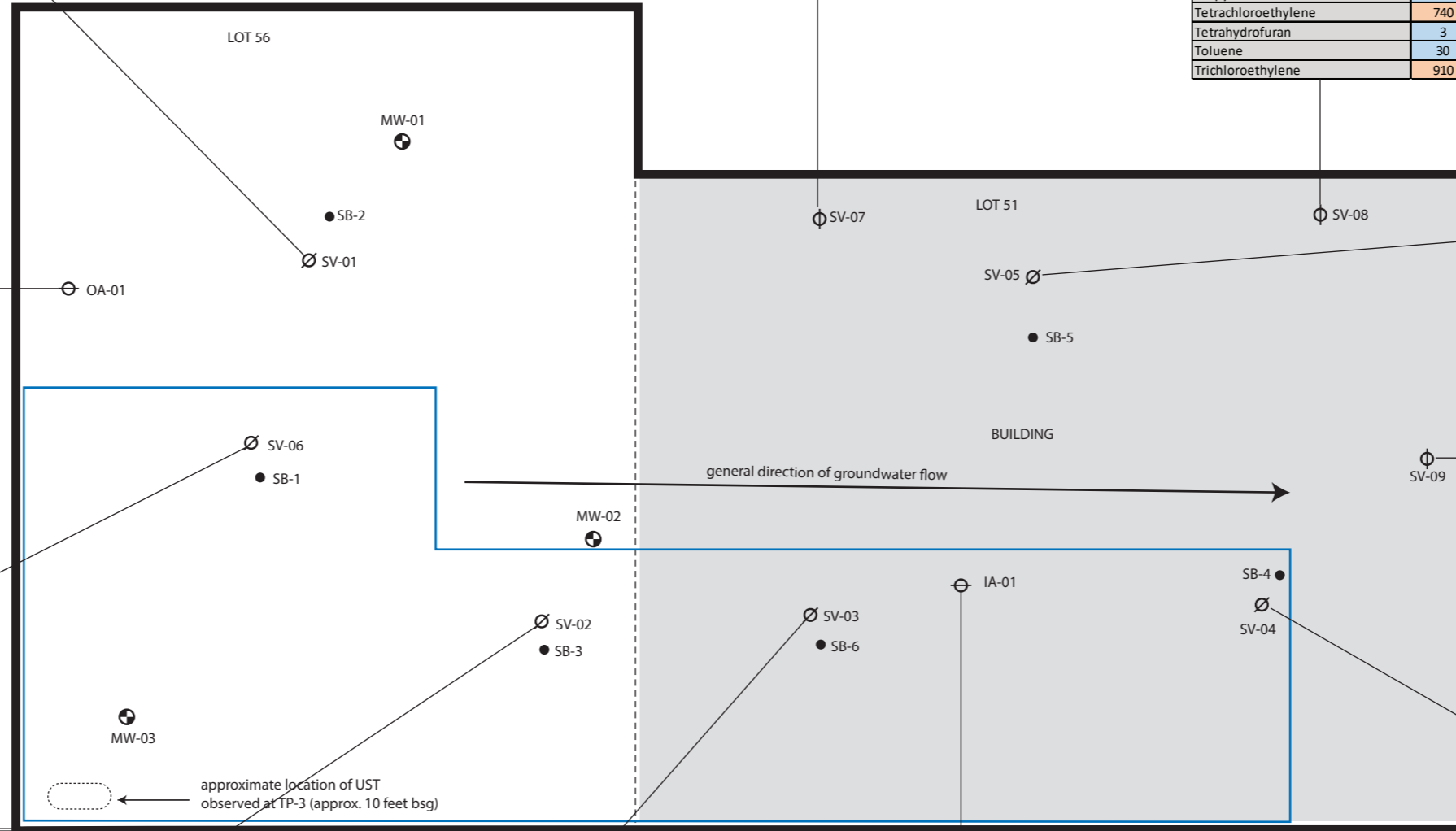
SV-02 (2018-01-10)	
VOCs, TO-15	
cis-1,2-Dichloroethylene	0.37
1,2-Dichlorobenzene	1
Chloromethane	1.2
1,1,1-Trichloroethane	1.3
1,4-Dichlorobenzene	1.4
Ethyl acetate	1.7
1,3,5-Trimethylbenzene	1.8
Carbon tetrachloride	1.8
Dichlorodifluoromethane	2.2
1,3-Dichlorobenzene	3
Isopropanol	3.1
Cyclohexane	3.4
1,2,4-Trimethylbenzene	4.7
Carbon disulfide	4.7
2-Hexanone	4.9
Trichlorofluoromethane (Freon 11)	5
Ethyl Benzene	5.1
p-Ethyltoluene	5.9
Chloroform	6.6
Chlorobenzene	7.4
2-Butanone	9.5
o-Xylene	11
p- & m- Xylenes	12
Benzene	20
Toluene	20
Acetone	30
n-Heptane	38
n-Hexane	79
Propylene	170
Tetrachloroethylene	450
Trichloroethylene	970
Trichlorofluoromethane (Freon 11)	5

SV-03 (2018-01-10)	
VOCs, TO-15	
1,1,1-Trichloroethane	0.83
1,2,4-Trimethylbenzene	510
1,2-Dichlorobenzene	1.5
1,3,5-Trimethylbenzene	220
1,3-Butadiene	52
1,3-Dichlorobenzene	5
1,4-Dichlorobenzene	2.1
Carbon tetrachloride	12
2-Butanone	71
2-Hexanone	35
Acetone	47
Benzene	22
Carbon disulfide	0.4
Carbon tetrachloride	11
Chlorobenzene	4.2
Chloroform	0.95
Chloromethane	0.81
cis-1,2-Dichloroethylene	5
Cyclohexane	1.8
Dichlorodifluoromethane	3.3
Ethyl acetate	3.3
Ethyl Benzene	240
Methylene chloride	2.2
n-Heptane	34
n-Hexane	46
o-Xylene	510
p- & m- Xylenes	1,400
p-Ethyltoluene	720
Propylene	510
Tetrachloroethylene	380
Tetrahydrofuran	25
Toluene	48
Trichloroethylene	1,000
Trichlorofluoromethane (Freon 11)	1

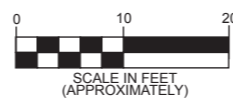
IA-01 (2018-01-10)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	3.3
1,3,5-Trimethylbenzene	0.81
2-Butanone	0.25
4-Methyl-2-pentanone	0.9
Acetone	4.7
Benzene	2.6
Carbon tetrachloride	0.37
Chloromethane	0.97
Cyclohexane	0.35
Dichlorodifluoromethane	1.8
Ethyl Benzene	1.5
n-Heptane	2.6
n-Hexane	0.49
o-Xylene	2
p- & m- Xylenes	6.4
p-Ethyltoluene	2.4
Propylene	2.6
Styrene	0.43
Tetrachloroethylene	0.36
Toluene	4.2
Trichloroethylene	0.29
Trichlorofluoromethane (Freon 11)	1

SV-09 (2019-07-18)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	3.7
1,3-Butadiene	5.7
1,3-Dichlorobenzene	4.5
2-Butanone	8.8
Acetone	42
Benzene	3.8
Carbon disulfide	15
Carbon tetrachloride	100
Chloroform	13
Cyclohexane	4.9
Dichlorodifluoromethane	3.4
Ethyl Benzene	3.7
Isopropanol	5.8
Methylene chloride	8.5
n-Heptane	5
n-Hexane	4
o-Xylene	12
p- & m- Xylenes	12
p-Ethyltoluene	3.1
Propylene	35
Tetrachloroethylene	1,200
Toluene	16
Trichloroethylene	710

SV-04 (2018-01-10)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	4
1,3,5-Trimethylbenzene	1.6
2-Butanone	2
Acetone	7.5
Benzene	11
Carbon disulfide	3.3
Carbon tetrachloride	0.56
Chlorobenzene	1.6
Chloromethane	1.4
cis-1,2-Dichloroethylene	0.35
Cyclohexane	1.3
Dichlorodifluoromethane	2
Ethyl Benzene	3.4
Isopropanol	2.2
Methylene chloride	1.3
n-Heptane	3.5
n-Hexane	6.6
o-Xylene	5.2
p- & m- Xylenes	12
p-Ethyltoluene	4.6
Propylene	76
Tetrachloroethylene	11
Tetrahydrofuran	6.1
Toluene	9.6
Trichloroethylene	28
Trichlorofluoromethane (Freon 11)	1.3



LEXINGTON AVENUE



**Legend:**

- subject property border
- - - lot line
- ▭ proposed building outline
- ALC Environmental soil boring location (January 2018)
- ⊙ ALC Environmental soil vapor location (January 2018)
- ⊕ ALC Environmental ambient air sample location (January 2018)
- ⊖ ALC Environmental soil vapor location (July 2019)
- ⊗ GB monitoring well location (December 2019)

All data in ug/m<sup>3</sup>

Detected concentrations (light blue background)

Notable concentrations (orange background)

**Figure 8: VOCs in Soil Vapor and Air**

811-817 Lexington Avenue  
Borough of Brooklyn, New York



File: IB19062.40

Scale as shown

September 2020 Figures

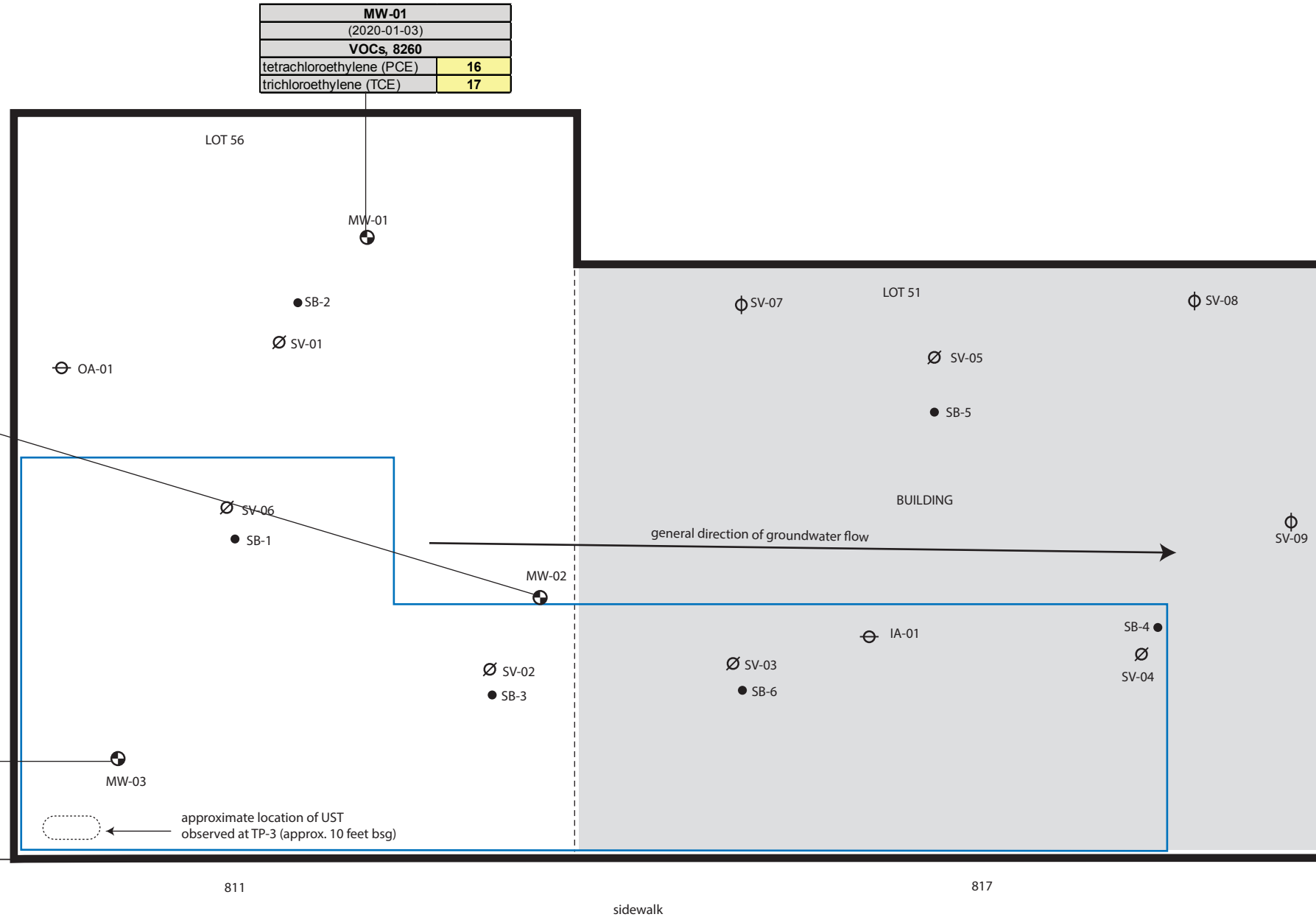
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.



MW-01	
(2020-01-03)	
VOCs, 8260	
tetrachloroethylene (PCE)	16
trichloroethylene (TCE)	17

MW-02	
(2020-01-03)	
VOCs, 8260	
tetrachloroethylene (PCE)	22
trichloroethylene (TCE)	23
MW-02 DUP	
tetrachloroethylene (PCE)	22
trichloroethylene (TCE)	22

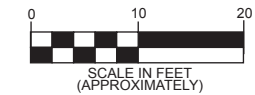
MW-03	
(2020-01-03)	
VOCs, 8260	
tetrachloroethylene (PCE)	11
trichloroethylene (TCE)	11
MW-03 DUP	
tetrachloroethylene (PCE)	14
trichloroethylene (TCE)	15



VOCs, 8260	AWQS
tetrachloroethylene (PCE)	5
trichloroethylene (TCE)	5
<i>All data in µg/L (parts per billion, ppb)</i>	
<b>Concentrations above AWQS</b>	

**Legend:**

- subject property border
- lot line
- proposed building outline
- ALC Environmental soil boring location (January 2018)
- ⊘ ALC Environmental soil vapor location (January 2018)
- ⊖ ALC Environmental ambient air sample location (January 2018)
- ⊕ ALC Environmental soil vapor location (July 2019)
- ⊗ GB monitoring well location (December 2019)

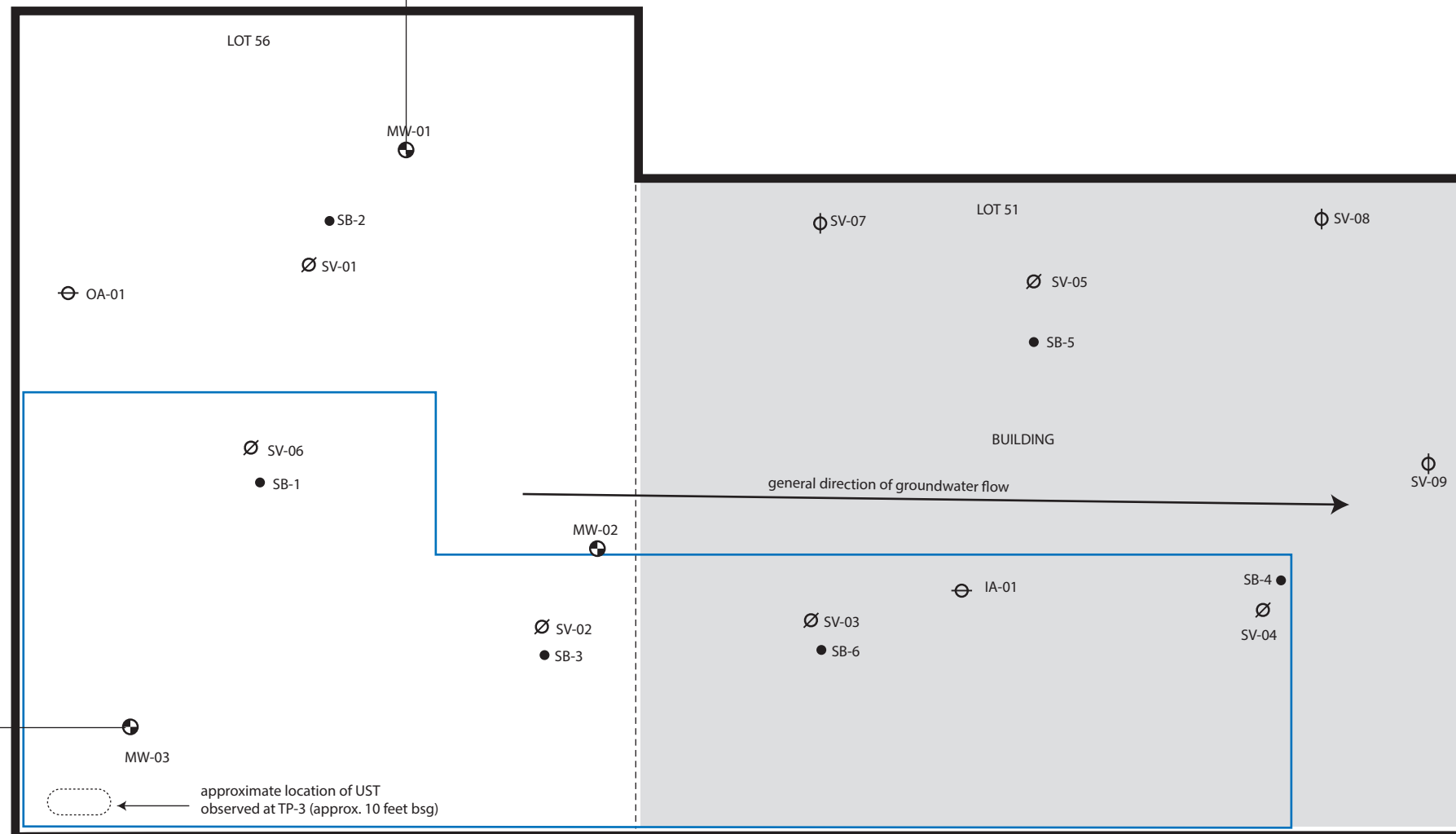


All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

<b>Figure 9: VOCs in Groundwater</b>		
811-817 Lexington Avenue Borough of Brooklyn, New York	 GALLAGHER BASSETT   TECHNICAL SERVICES	File: IB19062.40 Scale as shown September 2020   Figures



MW-01	
(2020-01-03)	
SVOCs, 8270	
2,4-dinitrotoluene	2.56
bis(2-ethylhexyl)phthalate	12.8



MW-03	
(2020-01-03)	
SVOCs, 8270	
2,4-dinitrotoluene	12.5
bis(2-ethylhexyl)phthalate	0.69
MW-03 DUP	
benzo(a)anthracene	0.06
bis(2-ethylhexyl)phthalate	0.65
chrysene	0.05

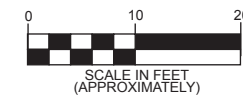
○ MW-03  
 ○ approximate location of UST  
 observed at TP-3 (approx. 10 feet bsg)

811

sidewalk

817

LEXINGTON AVENUE



SVOCs, 8270	AWQS
2,4-dinitrotoluene	5
benzo(a)anthracene	0.002
bis(2-ethylhexyl)phthalate	5
chrysene	0.002
<i>All data in µg/L (parts per billion, ppb)</i>	
Detected concentrations	
Concentrations above AWQS	

- Legend:
- subject property border
  - - - lot line
  - proposed building outline
  - ALC Environmental soil boring location (January 2018)
  - ⊘ ALC Environmental soil vapor location (January 2018)
  - ⊖ ALC Environmental ambient air sample location (January 2018)
  - ⊕ ALC Environmental soil vapor location (July 2019)
  - ⊕ GB monitoring well location (December 2019)

Figure 10: SVOCs in Groundwater

811-817 Lexington Avenue  
 Borough of Brooklyn, New York



File: IB19062.40

Scale as shown

September 2020 | Figures

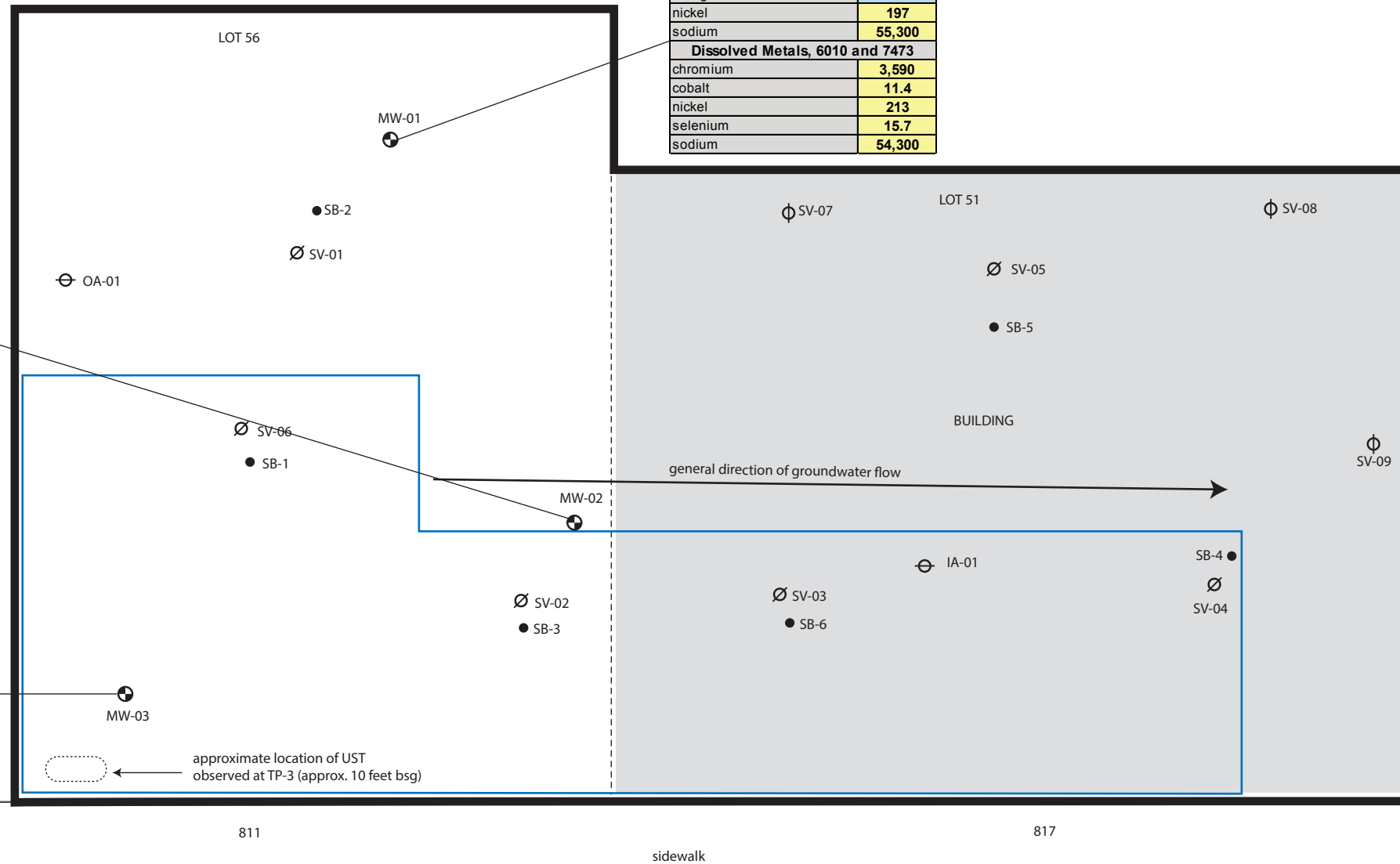
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.



MW-02 (2020-01-03)	
Total Metals, 6010 and 7473	
chromium	292
cobalt	9.12
iron**	788
manganese**	229
nickel	26.7
sodium	116,000
Dissolved Metals, 6010 and 7473	
chromium	314
cobalt	8.87
nickel	13.7
selenium	1.38
sodium	124,000
MW-02 DUP	
Total Metals, 6010 and 7473	
chromium	290
cobalt	8.66
iron**	447
manganese**	222
nickel	23.9
sodium	119,000
Dissolved Metals, 6010 and 7473	
chromium	305
cobalt	8.26
sodium	124,000

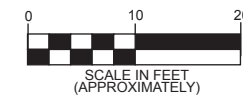
MW-03 (2020-01-03)	
Total Metals, 6010 and 7473	
chromium	8.5
cobalt	4.72
iron**	3,000
manganese**	1,180
sodium	95,500
vanadium	14.5
Dissolved Metals, 6010 and 7473	
selenium	9.98
sodium	94,000
MW-03 DUP	
Total Metals, 6010 and 7473	
chromium	5.67
iron**	1,170
manganese**	1,230
sodium	99,100
vanadium	12.5
Dissolved Metals, 6010 and 7473	
selenium	3.41
sodium	96,700

MW-01 (2020-01-03)	
Total Metals, 6010 and 7473	
chromium	3,390
cobalt	10.7
iron**	642
manganese**	289
nickel	197
sodium	55,300
Dissolved Metals, 6010 and 7473	
chromium	3,590
cobalt	11.4
nickel	213
selenium	15.7
sodium	54,300



Total Metals, 6010 and 7473	AWQS
chromium	50
cobalt	5
iron**	300
manganese**	300
nickel	100
sodium	20,000
vanadium	14
Dissolved Metals, 6010 and 7473	AWQS
chromium	50
cobalt	5
nickel	100
selenium	10
sodium	20,000
<i>All data in µg/L (parts per billion, ppb)</i>	
<b>Detected concentrations</b>	
<b>Concentrations above AWQS</b>	

- Legend:**
- subject property border
  - lot line
  - proposed building outline
  - ALC Environmental soil boring location (January 2018)
  - ⊘ ALC Environmental soil vapor location (January 2018)
  - ⊖ ALC Environmental ambient air sample location (January 2018)
  - ⊕ ALC Environmental soil vapor location (July 2019)
  - ⊗ GB monitoring well location (December 2019)



**Figure 11: TAL Metals in Groundwater**

811-817 Lexington Avenue  
Borough of Brooklyn, New York



File: IB19062.40

Scale as shown

September 2020 | Figures

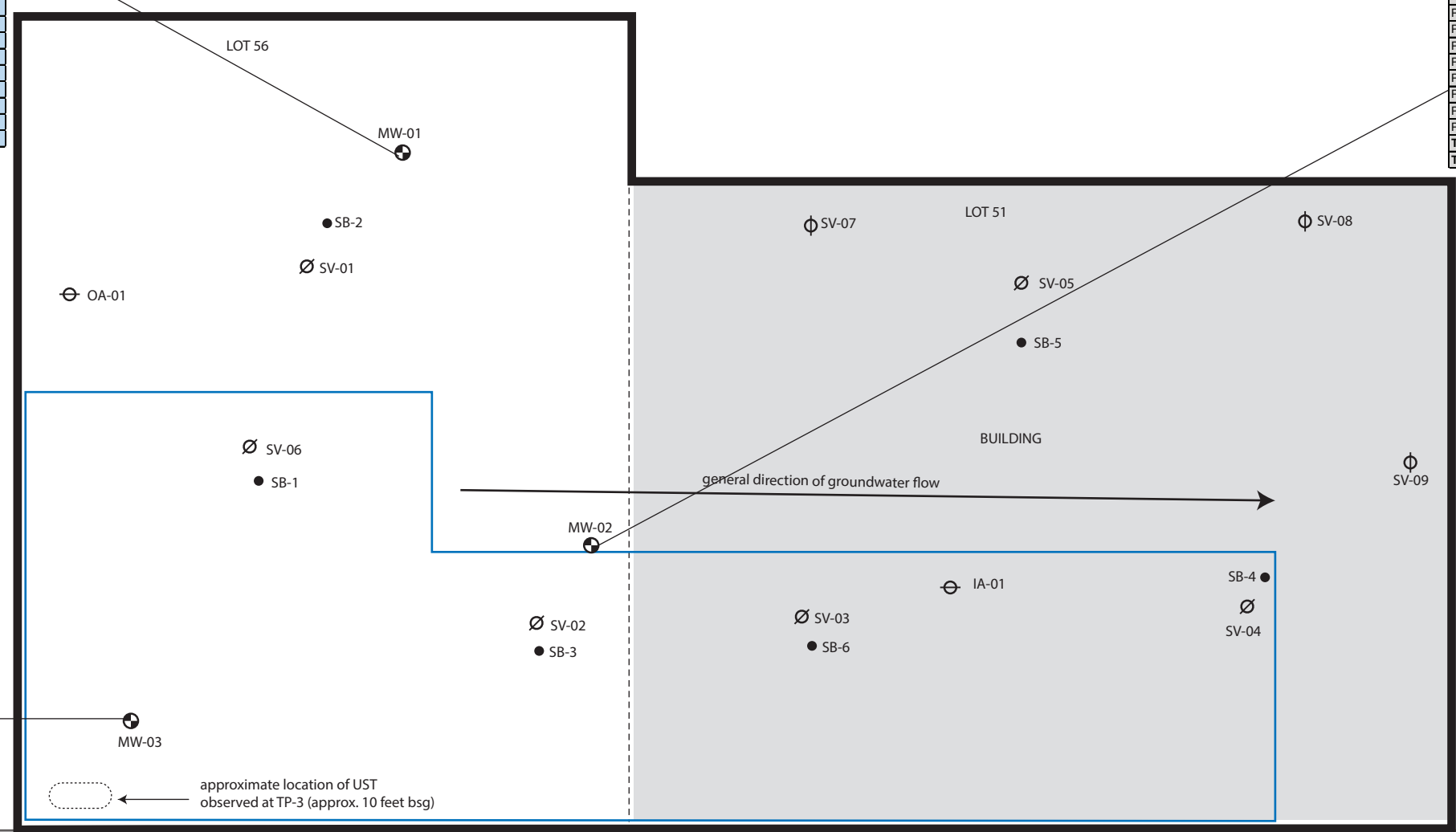
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.



MW-01 (2020-01-03)	
<b>1,4-Dioxane</b>	
1,4-Dioxane	ND
<b>PFAS</b>	
N-EtFOSAA	0.00769
N-MeFOSAA	0.005
Perfluoroheptanoic acid (PFHpA)	0.0227
Perfluorohexanesulfonic acid (PFHxS)	0.00417
Perfluorohexanoic acid (PFHxA)	0.00995
Perfluoro-n-butanoic acid (PFBA)	0.00683
Perfluorooctanesulfonic acid (PFOS)	0.0266
Perfluorooctanoic acid (PFOA)	0.109
Perfluoropentanoic acid (PFPeA)	0.00861
<b>Total PFAS</b>	<b>0.201</b>
<b>Total PFOS and PFOA</b>	<b>0.136</b>

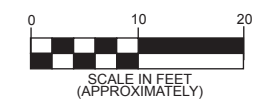
(2020-01-14)		
<b>1,4-Dioxane</b>		
1,4-Dioxane	ND	ND
<b>PFAS</b>		
Perfluorobutanesulfonic acid (PFBS)	0.00517	0.00528
Perfluoroheptanoic acid (PFHpA)	0.0146	0.0132
Perfluorohexanesulfonic acid (PFHxS)	0.00587	0.00567
Perfluorohexanoic acid (PFHxA)	0.0235	0.023
Perfluoro-n-butanoic acid (PFBA)	0.0117	0.0119
Perfluorooctanesulfonic acid (PFOS)	0.0212	0.0199
Perfluorooctanoic acid (PFOA)	0.0476	0.0455
Perfluoropentanoic acid (PFPeA)	0.0326	0.0317
<b>Total PFAS</b>	<b>0.162</b>	<b>0.156</b>
<b>Total PFOS and PFOA</b>	<b>0.069</b>	<b>0.065</b>

(2020-01-03)		
<b>1,4-Dioxane</b>		
1,4-Dioxane	ND	ND
<b>PFAS</b>		
Perfluorobutanesulfonic acid (PFBS)	0.00556	0.00472
Perfluoroheptanoic acid (PFHpA)	0.0148	0.0134
Perfluorohexanesulfonic acid (PFHxS)	0.00722	0.00639
Perfluorohexanoic acid (PFHxA)	0.0162	0.0153
Perfluoro-n-butanoic acid (PFBA)	0.0104	0.00969
Perfluorononanoic acid (PFNA)	0.00458	0.00511
Perfluorooctanesulfonic acid (PFOS)	0.0491	0.0464
Perfluorooctanoic acid (PFOA)	0.0509	0.0454
Perfluoropentanoic acid (PFPeA)	0.016	0.0149
<b>Total PFAS</b>	<b>0.175</b>	<b>0.161</b>
<b>Total PFOS and PFOA</b>	<b>0.100</b>	<b>0.092</b>



approximate location of UST observed at TP-3 (approx. 10 feet bsg)

LEXINGTON AVENUE



**Legend:**

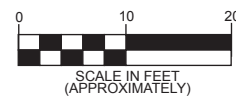
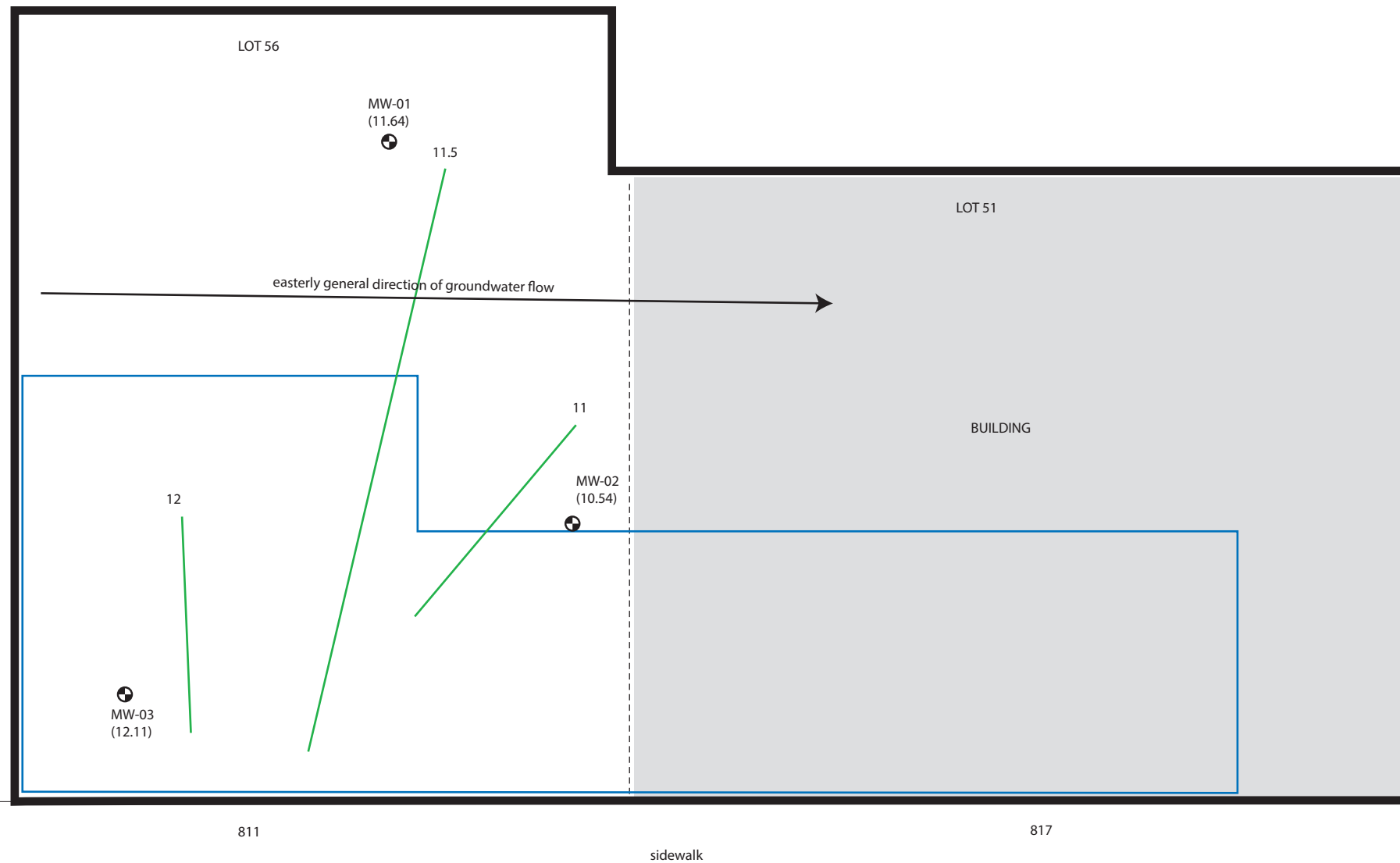
- subject property border
- - - lot line
- proposed building outline
- ALC Environmental soil boring location (January 2018)
- ⊙ ALC Environmental soil vapor location (January 2018)
- ⊕ ALC Environmental ambient air sample location (January 2018)
- ⊖ ALC Environmental soil vapor location (July 2019)
- ⊗ GB monitoring well location (December 2019)

All data in $\mu\text{g/L}$ (parts per billion, ppb)
ND = not detected
Analyte Detected

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

**Figure 12: PFAS in Groundwater**

811-817 Lexington Avenue Borough of Brooklyn, New York		TECHNICAL SERVICES	File: IB19062.40
			Scale as shown
			September 2020   Figures



**Legend:**

- subject property border
- lot line
- proposed building outline
- inferred elevation
- GB monitoring well location (groundwater elevation)

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

<b>Figure 13 - Direction of Groundwater Flow Map</b>		
811-817 Lexington Avenue Borough of Brooklyn, New York	<b>GALLAGHER BASSETT</b>   TECHNICAL SERVICES	File: IB19062.40
		Scale as shown
		September 2020   Figures



## TABLES

**Table 1: VOCs in Soils**  
**Site ID: 811 Lexington Avenue**  
**GBTS File: IB19062**

All data in mg/Kg (ppm)		Sample ID	SB-1 1'-3'		SB-1 7'-9'		SB-2 1'-3'		SB-2 12'-14'	
U= Not Detected ≥ indicated value			Sample Date	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)
Data above SCOs shown in Bold		Dilution Factor	1		1		1		1	
VOCs, 8260	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,1,1-Trichloroethane	0.68	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,1,2,2-Tetrachloroethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,1,2-Trichloroethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,1-Dichloroethane	0.27	26	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,2,3-Trichlorobenzene	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,2,3-Trichloropropane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,2,4-Trichlorobenzene	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	52	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,2-Dibromo-3-chloropropane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,2-Dibromoethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,2-Dichlorobenzene	1.1	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,2-Dichloroethane	0.02	3.1	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,2-Dichloropropane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,3,5-Trimethylbenzene	8.4	52	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,3-Dichlorobenzene	2.4	49	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,4-Dichlorobenzene	1.8	13	0.0031	U	0.002	U	0.0023	U	0.0022	U
1,4-Dioxane	0.1	13	0.063	U	0.04	U	0.046	U	0.045	U
2-Butanone (MEK)	0.12	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
2-Hexanone	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
4-Methyl-2-pentanone	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Acetone	0.05	100	0.0063	U	0.004	U	0.0046	U	0.0045	U
Acrolein	NA	NA	0.0063	U	0.004	U	0.0046	U	0.0045	U
Acrylonitrile	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Benzene	0.06	4.8	0.0031	U	0.002	U	0.0023	U	0.0022	U
Bromochloromethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Bromodichloromethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Bromoform	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Bromomethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Carbon disulfide	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Carbon tetrachloride	0.76	2.4	0.0031	U	0.002	U	0.0023	U	0.0022	U
Chlorobenzene	1.1	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
Chloroethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Chloroform	0.37	49	0.0031	U	0.002	U	0.0023	U	0.0022	U
Chloromethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
cis-1,3-Dichloropropylene	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Cyclohexane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Dibromochloromethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Dibromomethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Dichlorodifluoromethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Ethyl Benzene	1	41	0.0031	U	0.002	U	0.0023	U	0.0022	U
Hexachlorobutadiene	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Isopropylbenzene	2.3	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
Methyl acetate	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
Methylcyclohexane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Methylene chloride	0.05	100	0.0063	U	0.004	U	0.0046	U	0.0045	U
n-Butylbenzene	12	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
n-Propylbenzene	3.9	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
o-Xylene	0.26	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
p- & m- Xylenes	0.26	100	0.0063	U	0.004	U	0.0046	U	0.0045	U
p-Isopropyltoluene	10	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
sec-Butylbenzene	11	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
Styrene	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
tert-Butyl alcohol (TBA)	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
tert-Butylbenzene	5.9	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
Tetrachloroethylene (PCE)	1.3	19	0.0031	U	0.002	U	0.0023	U	0.0022	U
Toluene	0.7	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0031	U	0.002	U	0.0023	U	0.0022	U
trans-1,3-Dichloropropylene	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
trans-1,4-dichloro-2-butene	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Trichloroethylene (TCE)	0.47	21	0.0031	U	0.002	U	0.0023	U	0.0022	U
Trichlorofluoromethane	NA	NA	0.0031	U	0.002	U	0.0023	U	0.0022	U
Vinyl chloride (VC)	0.02	0.9	0.0031	U	0.002	U	0.0023	U	0.0022	U
Xylenes, Total	0.26	100	0.0094	U	0.006	U	0.0069	U	0.0067	U

Analyte Detected

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 1: VOCs in Soils**  
**Site ID: 811 Lexington Avenue**  
**GBTS File: IB19062**

All data in mg/Kg (ppm)		Sample ID	SB-3 1'-3'		SB-3 7.5'-9.5'		SB-4 1'-3'		SB-4 7'-9'	
U= Not Detected ≥ indicated value			Sample Date	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)
Data above SCOs shown in Bold		Dilution Factor	1		1		1		1	
VOCs, 8260	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,1,1-Trichloroethane	0.68	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,1,2,2-Tetrachloroethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,1,2-Trichloroethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,1-Dichloroethane	0.27	26	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,2,3-Trichlorobenzene	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,2,3-Trichloropropane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,2,4-Trichlorobenzene	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,2,4-Trimethylbenzene	3.6	52	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,2-Dibromo-3-chloropropane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,2-Dibromoethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,2-Dichlorobenzene	1.1	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,2-Dichloroethane	0.02	3.1	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,2-Dichloropropane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,3,5-Trimethylbenzene	8.4	52	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,3-Dichlorobenzene	2.4	49	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,4-Dichlorobenzene	1.8	13	0.0021	U	0.0027	U	0.0022	U	0.0021	U
1,4-Dioxane	0.1	13	0.043	U	0.055	U	0.044	U	0.042	U
2-Butanone (MEK)	0.12	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
2-Hexanone	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
4-Methyl-2-pentanone	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Acetone	0.05	100	0.0043	U	0.0055	U	0.0044	U	0.039	U
Acrolein	NA	NA	0.0043	U	0.0055	U	0.0044	U	0.0042	U
Acrylonitrile	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Benzene	0.06	4.8	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Bromochloromethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Bromodichloromethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Bromoform	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Bromomethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Carbon disulfide	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Carbon tetrachloride	0.76	2.4	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Chlorobenzene	1.1	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Chloroethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Chloroform	0.37	49	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Chloromethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
cis-1,3-Dichloropropylene	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Cyclohexane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Dibromochloromethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Dibromomethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Dichlorodifluoromethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Ethyl Benzene	1	41	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Hexachlorobutadiene	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Isopropylbenzene	2.3	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Methyl acetate	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Methylcyclohexane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Methylene chloride	0.05	100	0.0049	J	0.0085	J	0.0044	U	0.0064	J
n-Butylbenzene	12	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
n-Propylbenzene	3.9	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
o-Xylene	0.26	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
p- & m- Xylenes	0.26	100	0.0043	U	0.0055	U	0.0044	U	0.0042	U
p-Isopropyltoluene	10	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
sec-Butylbenzene	11	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Styrene	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
tert-Butyl alcohol (TBA)	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
tert-Butylbenzene	5.9	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Tetrachloroethylene (PCE)	1.3	19	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Toluene	0.7	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0021	U	0.0027	U	0.0022	U	0.0021	U
trans-1,3-Dichloropropylene	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
trans-1,4-dichloro-2-butene	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Trichloroethylene (TCE)	0.47	21	0.0021	U	0.0027	U	0.0049	U	0.0021	U
Trichlorofluoromethane	NA	NA	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Vinyl chloride (VC)	0.02	0.9	0.0021	U	0.0027	U	0.0022	U	0.0021	U
Xylenes, Total	0.26	100	0.0064	U	0.0082	U	0.0066	U	0.0063	U

Analyte Detected

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 1: VOCs in Soils**  
**Site ID: 811 Lexington Avenue**  
**GBTS File: IB19062**

All data in mg/Kg (ppm)		Sample ID	SB-5 1'-3'		SB-5 7'-9'		SB-6 1'-3'		SB-6 8'-10'	
U= Not Detected ≥ indicated value			Sample Date	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)
Data above SCOs shown in Bold		Dilution Factor	1		1		1		1	
VOCs, 8260	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,1,1-Trichloroethane	0.68	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,1,2,2-Tetrachloroethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,1,2-Trichloroethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,1-Dichloroethane	0.27	26	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,2,3-Trichlorobenzene	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,2,3-Trichloropropane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,2,4-Trichlorobenzene	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	52	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,2-Dibromo-3-chloropropane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,2-Dibromoethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,2-Dichlorobenzene	1.1	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,2-Dichloroethane	0.02	3.1	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,2-Dichloropropane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,3,5-Trimethylbenzene	8.4	52	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,3-Dichlorobenzene	2.4	49	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,4-Dichlorobenzene	1.8	13	0.0022	U	0.0024	U	0.0022	U	0.0022	U
1,4-Dioxane	0.1	13	0.044	U	0.048	U	0.045	U	0.043	U
2-Butanone (MEK)	0.12	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
2-Hexanone	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
4-Methyl-2-pentanone	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Acetone	0.05	100	0.0044	U	0.0048	U	0.0045	U	0.0043	U
Acrolein	NA	NA	0.0044	U	0.0048	U	0.0045	U	0.0043	U
Acrylonitrile	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Benzene	0.06	4.8	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Bromochloromethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Bromodichloromethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Bromoform	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Bromomethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Carbon disulfide	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Carbon tetrachloride	0.76	2.4	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Chlorobenzene	1.1	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Chloroethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Chloroform	0.37	49	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Chloromethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
cis-1,3-Dichloropropylene	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Cyclohexane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Dibromochloromethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Dibromomethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Dichlorodifluoromethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Ethyl Benzene	1	41	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Hexachlorobutadiene	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Isopropylbenzene	2.3	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Methyl acetate	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Methylcyclohexane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Methylene chloride	0.05	100	0.0044	U	0.0048	U	0.0045	U	0.0043	U
n-Butylbenzene	12	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
n-Propylbenzene	3.9	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
o-Xylene	0.26	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
p- & m- Xylenes	0.26	100	0.0044	U	0.0048	U	0.0045	U	0.0043	U
p-Isopropyltoluene	10	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
sec-Butylbenzene	11	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Styrene	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
tert-Butyl alcohol (TBA)	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
tert-Butylbenzene	5.9	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Tetrachloroethylene (PCE)	1.3	19	0.0022	U	0.0024	U	0.0029	J	0.0022	U
Toluene	0.7	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0022	U	0.0024	U	0.0022	U	0.0022	U
trans-1,3-Dichloropropylene	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
trans-1,4-dichloro-2-butene	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Trichloroethylene (TCE)	0.47	21	0.021	U	0.054	U	0.0049	U	0.0022	U
Trichlorofluoromethane	NA	NA	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Vinyl chloride (VC)	0.02	0.9	0.0022	U	0.0024	U	0.0022	U	0.0022	U
Xylenes, Total	0.26	100	0.0065	U	0.0072	U	0.0067	U	0.0065	U

Analyte Detected

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 2: SVOCs in Soils**  
**Site ID: 811 Lexington Avenue**  
**GBTS File: IB19062**

All data in mg/Kg (ppm)										
SVOCs, 8270	Sample ID		SB-1 1'-3'		SB-1 7'-9'		SB-2 1'-3'		SB-2 12'-14'	
	UUSCO	RRUSCO	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
	Dilution Factor		5		2		5		2	
			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1'-Biphenyl	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
1,2,4,5-Tetrachlorobenzene	NA	NA	0.101	U	0.0914	U	0.0947	U	0.0867	U
1,2,4-Trichlorobenzene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
1,2-Dichlorobenzene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
1,3-Dichlorobenzene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
1,4-Dichlorobenzene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2,3,4,6-Tetrachlorophenol	NA	NA	0.101	U	0.0914	U	0.0947	U	0.0867	U
2,4,5-Trichlorophenol	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2,4,6-Trichlorophenol	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2,4-Dichlorophenol	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2,4-Dimethylphenol	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2,4-Dinitrophenol	NA	NA	0.101	U	0.0914	U	0.0947	U	0.0867	U
2,4-Dinitrotoluene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2,6-Dinitrotoluene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2-Chloronaphthalene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2-Chlorophenol	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2-Methylnaphthalene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2-Methylphenol	0.33	100	0.0507	U	0.0458	U	0.0475	U	0.0435	U
2-Nitroaniline	NA	NA	0.101	U	0.0914	U	0.0947	U	0.0867	U
2-Nitrophenol	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
3- & 4-Methylphenols	0.33	100	0.0507	U	0.0458	U	0.0475	U	0.0435	U
3,3'-Dichlorobenzidine	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
3-Nitroaniline	NA	NA	0.101	U	0.0914	U	0.0947	U	0.0867	U
4,6-Dinitro-2-methylphenol	NA	NA	0.101	U	0.0914	U	0.0947	U	0.0867	U
4-Bromophenyl phenyl ether	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
4-Chloro-3-methylphenol	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
4-Chloroaniline	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
4-Chlorophenyl phenyl ether	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
4-Nitroaniline	NA	NA	0.101	U	0.0914	U	0.0947	U	0.0867	U
4-Nitrophenol	NA	NA	0.101	U	0.0914	U	0.0947	U	0.0867	U
Acenaphthene	20	100	0.232	D	0.0458	U	0.176	D	0.0435	U
Acenaphthylene	100	100	0.269	D	0.0458	U	0.175	D	0.0435	U
Acetophenone	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Aniline	NA	NA	0.203	U	0.183	U	0.19	U	0.174	U
Anthracene	100	100	0.759	D	0.0458	U	0.572	D	0.0435	U
Atrazine	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Benzaldehyde	NA	NA	0.101	D	0.0458	U	0.0475	U	0.0435	U
Benzenidine	NA	NA	0.203	U	0.183	U	0.19	U	0.174	U
Benzo(a)anthracene	1	1	3.13	D	0.0458	U	2.27	D	0.0435	U
Benzo(a)pyrene	1	1	1.81	D	0.0458	U	1.37	D	0.0435	U
Benzo(b)fluoranthene	1	1	2.47	D	0.0458	U	1.86	D	0.0435	U
Benzo(g,h,i)perylene	100	100	0.59	D	0.0458	U	0.553	D	0.0435	U
Benzo(k)fluoranthene	0.8	3.9	1.52	D	0.0458	U	1.08	D	0.0435	U
Benzoic acid	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Benzyl alcohol	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Benzyl butyl phthalate	NA	NA	3.67	D	0.0458	U	0.0575	JD	0.0435	U
Bis(2-chloroethoxy)methane	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Bis(2-chloroethyl)ether	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Bis(2-chloroisopropyl)ether	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Bis(2-ethylhexyl)phthalate	NA	NA	7.1	D	0.0458	U	0.364	D	0.0435	U
Caprolactam	NA	NA	0.101	U	0.0914	U	0.0947	U	0.0867	U
Carbazole	NA	NA	0.443	D	0.0458	U	0.292	D	0.0435	U
Chrysene	1	3.9	3.55	D	0.0458	U	2.36	D	0.0435	U
Dibenzo(a,h)anthracene	0.33	0.33	0.26	D	0.0458	U	0.242	D	0.0435	U
Dibenzofuran	7	59	0.104	D	0.0458	U	0.0878	JD	0.0435	U
Diethyl phthalate	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Dimethyl phthalate	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Di-n-butyl phthalate	NA	NA	0.73	D	0.0458	U	0.0475	U	0.0435	U
Di-n-octyl phthalate	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Fluoranthene	100	100	5.92	D	0.0458	U	4.48	D	0.0435	U
Fluorene	30	100	0.21	D	0.0458	U	0.165	D	0.0435	U
Hexachlorobenzene	0.33	1.2	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Hexachlorobutadiene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Hexachlorocyclopentadiene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Hexachloroethane	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.688	D	0.0458	U	0.564	D	0.0435	U
Isophorone	NA	NA	0.111	D	0.0458	U	0.0475	U	0.0435	U
Naphthalene	12	100	0.0526	JD	0.0458	U	0.0475	U	0.0435	U
Nitrobenzene	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
N-Nitrosodimethylamine	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
N-nitroso-di-n-propylamine	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
N-Nitrosodiphenylamine	NA	NA	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Pentachlorophenol	0.8	6.7	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Phenanthrene	100	100	3.01	DE	0.0458	U	2.41	DE	0.0435	U
Phenol	0.33	100	0.0507	U	0.0458	U	0.0475	U	0.0435	U
Pyrene	100	100	6.59	D	0.0458	U	5.12	D	0.0435	U

Analyte Detected  
Analyte Above UUSCO  
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 2: SVOCs in Soils**  
**Site ID: 811 Lexington Avenue**  
**GBTS File: IB19062**

All data in mg/Kg (ppm)										
SVOCs, 8270	Sample ID		SB-3 1'-3'		SB-3 7.5'-9.5'		SB-4 1'-3'		SB-4 7'-9'	
	UUSCO	RRUSCO	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
	Dilution Factor		2		10		2		2	
			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1'-Biphenyl	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
1,2,4,5-Tetrachlorobenzene	NA	NA	0.0909	U	0.0953	U	0.101	U	0.0913	U
1,2,4-Trichlorobenzene	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
1,2-Dichlorobenzene	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
1,3-Dichlorobenzene	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
1,4-Dichlorobenzene	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
2,3,4,6-Tetrachlorophenol	NA	NA	0.0909	U	0.0953	U	0.101	U	0.0913	U
2,4,5-Trichlorophenol	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
2,4,6-Trichlorophenol	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
2,4-Dichlorophenol	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
2,4-Dimethylphenol	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
2,4-Dinitrophenol	NA	NA	0.0909	U	0.0953	U	0.101	U	0.0913	U
2,4-Dinitrotoluene	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
2,6-Dinitrotoluene	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
2-Chloronaphthalene	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
2-Chlorophenol	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
2-Methylnaphthalene	NA	NA	0.0456	U	0.0609	JD	0.0507	U	0.0458	U
2-Methylphenol	0.33	100	0.0456	U	0.0477	U	0.0507	U	0.0458	U
2-Nitroaniline	NA	NA	0.0909	U	0.0953	U	0.101	U	0.0913	U
2-Nitrophenol	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
3- & 4-Methylphenols	0.33	100	0.0456	U	0.0477	U	0.0507	U	0.0458	U
3,3'-Dichlorobenzidine	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
3-Nitroaniline	NA	NA	0.0909	U	0.0953	U	0.101	U	0.0913	U
4,6-Dinitro-2-methylphenol	NA	NA	0.0909	U	0.0953	U	0.101	U	0.0913	U
4-Bromophenyl phenyl ether	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
4-Chloro-3-methylphenol	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
4-Chloroaniline	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
4-Chlorophenyl phenyl ether	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
4-Nitroaniline	NA	NA	0.0909	U	0.0953	U	0.101	U	0.0913	U
4-Nitrophenol	NA	NA	0.0909	U	0.0953	U	0.101	U	0.0913	U
Acenaphthene	20	100	0.0456	U	0.521	D	0.137	D	0.0458	U
Acenaphthylene	100	100	0.0456	U	0.27	D	0.0507	U	0.0458	U
Acetophenone	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Aniline	NA	NA	0.182	U	0.191	U	0.203	U	0.183	U
Anthracene	100	100	0.0456	U	1.8	D	0.055	JD	0.0458	U
Atrazine	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Benzaldehyde	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Benzenzidine	NA	NA	0.182	U	0.191	U	0.203	U	0.183	U
Benzo(a)anthracene	1	1	0.0456	U	4.09	D	0.153	D	0.0458	U
Benzo(a)pyrene	1	1	0.0456	U	3.32	D	0.109	D	0.0458	U
Benzo(b)fluoranthene	1	1	0.0456	U	3	D	0.1	JD	0.0458	U
Benzo(g,h,i)perylene	100	100	0.0456	U	2.78	D	0.0607	JD	0.0458	U
Benzo(k)fluoranthene	0.8	3.9	0.0456	U	2.95	D	0.12	D	0.0458	U
Benzoic acid	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Benzyl alcohol	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Benzyl butyl phthalate	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Bis(2-chloroethoxy)methane	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Bis(2-chloroethyl)ether	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Bis(2-chloroisopropyl)ether	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Bis(2-ethylhexyl)phthalate	NA	NA	0.0456	U	1.93	D	0.121	D	0.0458	U
Caprolactam	NA	NA	0.0909	U	0.0953	U	0.101	U	0.0913	U
Carbazole	NA	NA	0.0456	U	0.276	D	0.0507	U	0.0458	U
Chrysene	1	3.9	0.0456	U	4.23	D	0.176	D	0.0458	U
Dibenzo(a,h)anthracene	0.33	0.33	0.0456	U	0.726	D	0.0507	U	0.0458	U
Dibenzofuran	7	59	0.0456	U	0.241	D	0.0507	U	0.0458	U
Diethyl phthalate	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Dimethyl phthalate	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Di-n-butyl phthalate	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Di-n-octyl phthalate	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Fluoranthene	100	100	0.0456	U	7.83	D	0.498	D	0.0458	U
Fluorene	30	100	0.0456	U	0.558	D	0.0955	JD	0.0458	U
Hexachlorobenzene	0.33	1.2	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Hexachlorobutadiene	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Hexachlorocyclopentadiene	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Hexachloroethane	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0456	U	2.49	D	0.0607	JD	0.0458	U
Isophorone	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Naphthalene	12	100	0.0456	U	0.0655	JD	0.0507	U	0.0458	U
Nitrobenzene	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
N-Nitrosodimethylamine	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
N-nitroso-di-n-propylamine	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
N-Nitrosodiphenylamine	NA	NA	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Pentachlorophenol	0.8	6.7	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Phenanthrene	100	100	0.0456	U	7.7	D	0.565	D	0.0458	U
Phenol	0.33	100	0.0456	U	0.0477	U	0.0507	U	0.0458	U
Pyrene	100	100	0.0456	U	9	D	0.472	D	0.0458	U

Analyte Detected  
Analyte Above UUSCO  
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 2: SVOCs in Soils**  
**Site ID: 811 Lexington Avenue**  
**GBTS File: IB19062**

All data in mg/Kg (ppm)										
SVOCs, 8270	Sample ID		SB-5 1'-3'		SB-5 7'-9'		SB-6 1'-3'		SB-6 8'-10'	
	UUSCO	RRUSCO	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
	Dilution Factor		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1'-Biphenyl	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
1,2,4,5-Tetrachlorobenzene	NA	NA	0.0937	U	0.107	U	0.0925	U	0.0886	U
1,2,4-Trichlorobenzene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
1,2-Dichlorobenzene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
1,3-Dichlorobenzene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
1,4-Dichlorobenzene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
2,3,4,6-Tetrachlorophenol	NA	NA	0.0937	U	0.107	U	0.0925	U	0.0886	U
2,4,5-Trichlorophenol	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
2,4,6-Trichlorophenol	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
2,4-Dichlorophenol	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
2,4-Dimethylphenol	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
2,4-Dinitrophenol	NA	NA	0.0937	U	0.107	U	0.0925	U	0.0886	U
2,4-Dinitrotoluene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
2,6-Dinitrotoluene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
2-Chloronaphthalene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
2-Chlorophenol	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
2-Methylnaphthalene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
2-Methylphenol	0.33	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
2-Nitroaniline	NA	NA	0.0937	U	0.107	U	0.0925	U	0.0886	U
2-Nitrophenol	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
3- & 4-Methylphenols	0.33	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
3,3'-Dichlorobenzidine	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
3-Nitroaniline	NA	NA	0.0937	U	0.107	U	0.0925	U	0.0886	U
4,6-Dinitro-2-methylphenol	NA	NA	0.0937	U	0.107	U	0.0925	U	0.0886	U
4-Bromophenyl phenyl ether	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
4-Chloro-3-methylphenol	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
4-Chloroaniline	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
4-Chlorophenyl phenyl ether	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
4-Nitroaniline	NA	NA	0.0937	U	0.107	U	0.0925	U	0.0886	U
4-Nitrophenol	NA	NA	0.0937	U	0.107	U	0.0925	U	0.0886	U
Acenaphthene	20	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
Acenaphthylene	100	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
Acetophenone	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Aniline	NA	NA	0.188	U	0.215	U	0.185	U	0.177	U
Anthracene	100	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
Atrazine	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Benzaldehyde	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Benzenzidine	NA	NA	0.188	U	0.215	U	0.185	U	0.177	U
Benzo(a)anthracene	1	1	0.047	U	0.0539	U	0.0464	U	0.0444	U
Benzo(a)pyrene	1	1	0.047	U	0.0539	U	0.0464	U	0.0444	U
Benzo(b)fluoranthene	1	1	0.047	U	0.0539	U	0.0464	U	0.0444	U
Benzo(g,h,i)perylene	100	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
Benzo(k)fluoranthene	0.8	3.9	0.047	U	0.0539	U	0.0464	U	0.0444	U
Benzoic acid	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Benzyl alcohol	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Benzyl butyl phthalate	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Bis(2-chloroethoxy)methane	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Bis(2-chloroethyl)ether	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Bis(2-chloroisopropyl)ether	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Bis(2-ethylhexyl)phthalate	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Caprolactam	NA	NA	0.0937	U	0.107	U	0.0925	U	0.0886	U
Carbazole	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Chrysene	1	3.9	0.047	U	0.0539	U	0.0464	U	0.0444	U
Dibenzo(a,h)anthracene	0.33	0.33	0.047	U	0.0539	U	0.0464	U	0.0444	U
Dibenzofuran	7	59	0.047	U	0.0539	U	0.0464	U	0.0444	U
Diethyl phthalate	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Dimethyl phthalate	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Di-n-butyl phthalate	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Di-n-octyl phthalate	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Fluoranthene	100	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
Fluorene	30	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
Hexachlorobenzene	0.33	1.2	0.047	U	0.0539	U	0.0464	U	0.0444	U
Hexachlorobutadiene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Hexachlorocyclopentadiene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Hexachloroethane	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.047	U	0.0539	U	0.0464	U	0.0444	U
Isophorone	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Naphthalene	12	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
Nitrobenzene	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
N-Nitrosodimethylamine	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
N-nitroso-di-n-propylamine	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
N-Nitrosodiphenylamine	NA	NA	0.047	U	0.0539	U	0.0464	U	0.0444	U
Pentachlorophenol	0.8	6.7	0.047	U	0.0539	U	0.0464	U	0.0444	U
Phenanthrene	100	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
Phenol	0.33	100	0.047	U	0.0539	U	0.0464	U	0.0444	U
Pyrene	100	100	0.047	U	0.0539	U	0.0464	U	0.0444	U

Analyte Detected  
Analyte Above UUSCO  
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 3: TAL Metals in Soils**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

All data in mg/Kg (ppm) U= Not Detected ≥ indicated value Data above SCOs shown in <b>Bold</b>		Sample ID		SB-1 1'-3'		SB-1 7'-9'		SB-2 1'-3'		SB-2 12'-14'	
		Sample Date		(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
		Dilution Factor		1		1		1		1	
Metals, 6010 and 7473	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	
Aluminum	NA	NA	7,800		6,830		7,420		3,360		
Antimony	NA	NA	1.53		0.548	U	0.762		0.522	U	
Arsenic	13	16	6.45		1.34		4.84		1.04	U	
Barium	350	400	392		34.8		174		29.1		
Beryllium	7.2	72	0.122	U	0.11	U	0.114	U	0.104	U	
Cadmium	2.5	4.3	3.01		0.329	U	0.824		0.313	U	
Calcium	NA	NA	22,500		832		18,300		713		
Chromium	30	180	20.8		18.3		14.9		7.51		
Cobalt	NA	NA	5.53		7.55		6.53		4.42		
Copper	50	270	269		17.5		92.3		10.1		
Iron	NA	NA	16,400		21,800		16,100		12,600		
Lead	63	400	550		6.19		170		2.97		
Magnesium	NA	NA	2,940		1,640		3,250		1,330		
Manganese	1,600	2,000	321		421		317		337		
Mercury	0.18	0.81	7.41		0.0329	U	4.06		0.0313	U	
Nickel	30	310	20.2		7.27		11.9		4.83		
Potassium	NA	NA	648		933		827		497		
Selenium	3.9	180	1.22	U	1.1	U	1.14	U	1.04	U	
Silver	2	180	0.609	U	0.548	U	0.57	U	0.522	U	
Sodium	NA	NA	523		11	U	226		10.4	U	
Thallium	NA	NA	1.22	U	1.1	U	1.14	U	1.04	U	
Vanadium	NA	NA	29.7		29		23		13.8		
Zinc	109	10,000	490		28.3		233		20.2		

- Analyte Detected
- Analyte Above UUSCO
- Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted



**Table 3: TAL Metals in Soils**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

All data in mg/Kg (ppm) U= Not Detected ≥ indicated value Data above SCOs shown in <b>Bold</b>		Sample ID		SB-3 1'-3'		SB-3 7.5'-9.5'		SB-4 1'-3'		SB-4 7'-9'	
		Sample Date		(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
		Dilution Factor		1		1		1		1	
		Metals, 6010 and 7473	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
Aluminum	NA	NA	6,190		7,860		9,340		10,500		
Antimony	NA	NA	0.545	U	0.596		0.607	U	0.549	U	
Arsenic	13	16	1.23		5.35		3.21		1.57		
Barium	350	400	43.7		141		87.5		45.7		
Beryllium	7.2	72	0.109	U	0.114	U	0.121	U	0.11	U	
Cadmium	2.5	4.3	0.327	U	1.14		0.364	U	0.33	U	
Calcium	NA	NA	499		45,000		951		709		
Chromium	30	180	15.2		12.5		14.4		27.4		
Cobalt	NA	NA	7.14		5.03		3.93		8.79		
Copper	50	270	17.7		178		36.9		18.1		
Iron	NA	NA	22,700		14,600		14,800		27,600		
Lead	63	400	4.82		147		185		5.13		
Magnesium	NA	NA	1,770		4,510		1,490		4,730		
Manganese	1,600	2,000	317		356		98.8		628		
Mercury	0.18	0.81	0.0327	U	<b>13</b>		0.492		0.033	U	
Nickel	30	310	4.25		11.5		7.38		7.64		
Potassium	NA	NA	924		784		505		1,720		
Selenium	3.9	180	1.09	U	1.14	U	1.21	U	1.1	U	
Silver	2	180	0.545	U	0.571	U	0.607	U	0.549	U	
Sodium	NA	NA	10.9	U	439		12.1	U	11	U	
Thallium	NA	NA	1.09	U	1.14	U	1.21	U	1.1	U	
Vanadium	NA	NA	27.4		26.2		20.6		41.7		
Zinc	109	10,000	29		178		46.8		33.1		

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

**Table 3: TAL Metals in Soils**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

All data in mg/Kg (ppm) U= Not Detected ≥ indicated value Data above SCOs shown in <b>Bold</b>		Sample ID		SB-5 1'-3'		SB-5 7'-9'		SB-6 1'-3'		SB-6 8'-10'	
		Sample Date		(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
		Dilution Factor		1		1		1		1	
		Metals, 6010 and 7473	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
Aluminum	NA	NA	8,030		15,900		8,910		6,080		
Antimony	NA	NA	0.562	U	1.19		0.554	U	0.533	U	
Arsenic	13	16	2.37		3.39		2.08		2.09		
Barium	350	400	40.7		105		56.7		50.7		
Beryllium	7.2	72	0.112	U	0.129	U	0.111	U	0.107	U	
Cadmium	2.5	4.3	<b>10.2</b>		0.468		0.333	U	0.32	U	
Calcium	NA	NA	530		1,340		1,150		1,030		
Chromium	30	180	12.8		50.5		10.6		16.6		
Cobalt	NA	NA	3.9		14.1		4.27		7.64		
Copper	50	270	49.1		30.4		6.88		16		
Iron	NA	NA	10,900		34,300		9,770		20,700		
Lead	63	400	26.3		8.4		21.7		5.33		
Magnesium	NA	NA	1,230		5,250		1,280		1,570		
Manganese	1,600	2,000	125		416		403		500		
Mercury	0.18	0.81	0.0337	U	0.0387	U	0.289		0.032	U	
Nickel	30	310	7.24		15.6		7.08		6.19		
Potassium	NA	NA	429		2,550		455		1,190		
Selenium	3.9	180	1.12	U	1.29	U	1.11	U	1.07	U	
Silver	2	180	0.562	U	0.644	U	0.554	U	0.533	U	
Sodium	NA	NA	11.2	U	12.9	U	11.1	U	10.7	U	
Thallium	NA	NA	1.12	U	1.29	U	1.11	U	1.07	U	
Vanadium	NA	NA	16.5		52.2		14		25.1		
Zinc	109	10,000	133		61.2		18.3		24.9		

- Analyte Detected
- Analyte Above UUSCO
- Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 4: Pesticides and PCBs in Soils**

Site ID: 811 Lexington Avenue

GBTS File: IB19062



TECHNICAL SERVICES

All data in mg/Kg (ppm)										
U= Not Detected ≥ indicated value										
Data above SCOs shown in Bold										
		Sample ID	SB-1 1'-3'		SB-1 7'-9'		SB-2 1'-3'		SB-2 12'-14'	
		Sample Date	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
		Dilution Factor	5		5		5		5	
Pesticides, 8081	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
4,4'-DDD	0.0033	13	0.0165	D	0.00181	U	0.00188	U	0.00172	U
4,4'-DDE	0.0033	8.9	0.012	D	0.00181	U	0.00432	DP	0.00172	U
4,4'-DDT	0.0033	7.9	0.0228	D	0.00181	U	0.00861	D	0.00172	U
Aldrin	0.005	0.097	0.00201	U	0.00181	U	0.00188	U	0.00172	U
alpha-BHC	0.02	0.48	0.00201	U	0.00181	U	0.00188	U	0.00172	U
alpha-Chlordane	0.094	4.2	0.01	D	0.00181	U	0.00188	U	0.00172	U
beta-BHC	0.036	0.36	0.00201	U	0.00181	U	0.00188	U	0.00172	U
Chlordane (total)	NA	NA	0.0649	D	0.0362	U	0.0376	U	0.0343	U
delta-BHC	0.04	100	0.00201	U	0.00181	U	0.00188	U	0.00172	U
Dieldrin	0.005	0.2	0.0104	D	0.00181	U	0.00188	U	0.00172	U
Endosulfan I	2.4	24	0.00201	U	0.00181	U	0.00188	U	0.00172	U
Endosulfan II	2.4	24	0.00201	U	0.00181	U	0.00188	U	0.00172	U
Endosulfan sulfate	2.4	24	0.00201	U	0.00181	U	0.00188	U	0.00172	U
Endrin	0.014	11	0.00201	U	0.00181	U	0.00188	U	0.00172	U
Endrin aldehyde	NA	NA	0.00201	U	0.00181	U	0.00188	U	0.00172	U
Endrin ketone	NA	NA	0.00201	U	0.00181	U	0.00188	U	0.00172	U
gamma-BHC (Lindane)	0.1	1.3	0.00201	U	0.00181	U	0.00188	U	0.00172	U
gamma-Chlordane	NA	NA	0.014	DP	0.00181	U	0.00188	U	0.00172	U
Heptachlor	0.042	2.1	0.00201	U	0.00181	U	0.00188	U	0.00172	U
Heptachlor Epoxide	NA	NA	0.00201	U	0.00181	U	0.00188	U	0.00172	U
Methoxychlor	NA	NA	0.01	U	0.00905	U	0.0094	U	0.00858	U
Toxaphene	NA	NA	0.102	U	0.0915	U	0.0951	U	0.0868	U

		Sample ID	SB-1 1'-3'		SB-1 7'-9'		SB-2 1'-3'		SB-2 12'-14'	
		Sample Date	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
		Dilution Factor	1		1		1		1	
PCBs, 8082	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1016	0.1	1.00	0.0203	U	0.0183	U	0.019	U	0.0173	U
Aroclor 1221	0.1	1.00	0.0203	U	0.0183	U	0.019	U	0.0173	U
Aroclor 1232	0.1	1.00	0.0203	U	0.0183	U	0.019	U	0.0173	U
Aroclor 1242	0.1	1.00	0.0203	U	0.0183	U	0.019	U	0.0173	U
Aroclor 1248	0.1	1.00	0.0203	U	0.0183	U	0.019	U	0.0173	U
Aroclor 1254	0.1	1.00	0.0203	U	0.0183	U	0.019	U	0.0173	U
Aroclor 1260	0.1	1.00	0.0203	U	0.0183	U	0.019	U	0.0173	U
Aroclor, Total	0.1	1.00	0.0519		0.0183	U	0.019	U	0.0173	U

Analyte Detected

Analyte Above UUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 4: Pesticides and PCBs in Soils**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

All data in mg/Kg (ppm)										
U= Not Detected ≥ indicated value										
Data above SCOs shown in <b>Bold</b>										
		Sample ID	SB-3 1'-3'		SB-3 7.5'-9.5'		SB-4 1'-3'		SB-4 7'-9'	
		Sample Date	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
		Dilution Factor	5		5		5		5	
<b>Pesticides, 8081</b>	<b>UUSCO</b>	<b>RRUSCO</b>	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
4,4'-DDD	0.0033	13	0.0018	U	0.00188	U	0.002	U	0.00181	U
4,4'-DDE	0.0033	8.9	0.0018	U	0.00188	U	0.002	U	0.00181	U
4,4'-DDT	0.0033	7.9	0.0018	U	0.00188	U	0.002	U	0.00181	U
Aldrin	0.005	0.097	0.0018	U	0.00188	U	0.002	U	0.00181	U
alpha-BHC	0.02	0.48	0.0018	U	0.00188	U	0.002	U	0.00181	U
alpha-Chlordane	0.094	4.2	0.0018	U	0.00188	U	0.002	U	0.00181	U
beta-BHC	0.036	0.36	0.0018	U	0.00188	U	0.002	U	0.00181	U
Chlordane (total)	NA	NA	0.036	U	0.0376	U	0.0401	U	0.0363	U
delta-BHC	0.04	100	0.0018	U	0.00188	U	0.002	U	0.00181	U
Dieldrin	0.005	0.2	0.0018	U	0.00188	U	0.002	U	0.00181	U
Endosulfan I	2.4	24	0.0018	U	0.00188	U	0.002	U	0.00181	U
Endosulfan II	2.4	24	0.0018	U	0.00188	U	0.002	U	0.00181	U
Endosulfan sulfate	2.4	24	0.0018	U	0.00188	U	0.002	U	0.00181	U
Endrin	0.014	11	0.0018	U	0.00188	U	0.002	U	0.00181	U
Endrin aldehyde	NA	NA	0.0018	U	0.00188	U	0.002	U	0.00181	U
Endrin ketone	NA	NA	0.0018	U	0.00188	U	0.002	U	0.00181	U
gamma-BHC (Lindane)	0.1	1.3	0.0018	U	0.00188	U	0.002	U	0.00181	U
gamma-Chlordane	NA	NA	0.0018	U	0.00188	U	0.002	U	0.00181	U
Heptachlor	0.042	2.1	0.0018	U	0.00188	U	0.002	U	0.00181	U
Heptachlor Epoxide	NA	NA	0.0018	U	0.00188	U	0.002	U	0.00181	U
Methoxychlor	NA	NA	0.00899	U	0.00939	U	0.01	U	0.00906	U
Toxaphene	NA	NA	0.091	U	0.0951	U	0.101	U	0.0917	U

		Sample ID	SB-3 1'-3'		SB-3 7.5'-9.5'		SB-4 1'-3'		SB-4 7'-9'	
		Sample Date	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
		Dilution Factor	1		1		1		1	
<b>PCBs, 8082</b>	<b>UUSCO</b>	<b>RRUSCO</b>	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1016	0.1	1.00	0.0182	U	0.019	U	0.0202	U	0.0183	U
Aroclor 1221	0.1	1.00	0.0182	U	0.019	U	0.0202	U	0.0183	U
Aroclor 1232	0.1	1.00	0.0182	U	0.019	U	0.0202	U	0.0183	U
Aroclor 1242	0.1	1.00	0.0182	U	0.019	U	0.0202	U	0.0183	U
Aroclor 1248	0.1	1.00	0.0182	U	0.019	U	0.0202	U	0.0183	U
Aroclor 1254	0.1	1.00	0.0182	U	0.0455	P	0.0202	U	0.0183	U
Aroclor 1260	0.1	1.00	0.0182	U	0.019	U	0.0202	U	0.0183	U
Aroclor, Total	0.1	1.00	0.0182	U	0.0455		0.0202	U	0.0183	U

Analyte Detected  
 Analyte Above UUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 4: Pesticides and PCBs in Soils**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

All data in mg/Kg (ppm)										
U= Not Detected ≥ indicated value										
Data above SCOs shown in <b>Bold</b>										
		Sample ID	SB-5 1'-3'		SB-5 7'-9'		SB-6 1'-3'		SB-6 8'-10'	
		Sample Date	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
		Dilution Factor	5		5		5		5	
<b>Pesticides, 8081</b>	<b>UUSCO</b>	<b>RRUSCO</b>	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
4,4'-DDD	0.0033	13	0.00185	U	0.00213	U	0.00182	U	0.00175	U
4,4'-DDE	0.0033	8.9	0.00185	U	0.00213	U	0.00182	U	0.00175	U
4,4'-DDT	0.0033	7.9	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Aldrin	0.005	0.097	0.00185	U	0.00213	U	0.00182	U	0.00175	U
alpha-BHC	0.02	0.48	0.00185	U	0.00213	U	0.00182	U	0.00175	U
alpha-Chlordane	0.094	4.2	0.00185	U	0.00213	U	0.00182	U	0.00175	U
beta-BHC	0.036	0.36	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Chlordane (total)	NA	NA	0.0371	U	0.0425	U	0.0365	U	0.035	U
delta-BHC	0.04	100	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Dieldrin	0.005	0.2	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Endosulfan I	2.4	24	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Endosulfan II	2.4	24	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Endosulfan sulfate	2.4	24	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Endrin	0.014	11	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Endrin aldehyde	NA	NA	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Endrin ketone	NA	NA	0.00185	U	0.00213	U	0.00182	U	0.00175	U
gamma-BHC (Lindane)	0.1	1.3	0.00185	U	0.00213	U	0.00182	U	0.00175	U
gamma-Chlordane	NA	NA	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Heptachlor	0.042	2.1	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Heptachlor Epoxide	NA	NA	0.00185	U	0.00213	U	0.00182	U	0.00175	U
Methoxychlor	NA	NA	0.00927	U	0.0106	U	0.00912	U	0.00876	U
Toxaphene	NA	NA	0.0938	U	0.108	U	0.0923	U	0.0887	U

		Sample ID	SB-5 1'-3'		SB-5 7'-9'		SB-6 1'-3'		SB-6 8'-10'	
		Sample Date	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
		Dilution Factor	1		1		1		1	
<b>PCBs, 8082</b>	<b>UUSCO</b>	<b>RRUSCO</b>	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1016	0.1	1.00	0.0187	U	0.0215	U	0.0184	U	0.0177	U
Aroclor 1221	0.1	1.00	0.0187	U	0.0215	U	0.0184	U	0.0177	U
Aroclor 1232	0.1	1.00	0.0187	U	0.0215	U	0.0184	U	0.0177	U
Aroclor 1242	0.1	1.00	0.0187	U	0.0215	U	0.0184	U	0.0177	U
Aroclor 1248	0.1	1.00	0.0187	U	0.0215	U	0.0184	U	0.0177	U
Aroclor 1254	0.1	1.00	0.0187	U	0.0215	U	0.0184	U	0.0177	U
Aroclor 1260	0.1	1.00	0.0187	U	0.0215	U	0.0184	U	0.0177	U
Aroclor, Total	0.1	1.00	0.0187	U	0.0215	U	0.0184	U	0.0177	U

Analyte Detected  
 Analyte Above UUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 5: VOCs in Soil Vapor and Air**

Site ID: 811 Lexington Avenue

WCD File: IB19062

Sample ID All data in µg/m <sup>3</sup> U= Not Detected ≥ value Dilution Factor	SV-01		SV-02		SV-03		SV-04		SV-05		SV-06	
	(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)		(2018-01-10)	
	13.17		13.31		12.72		1.27		50.72		14.2	
VOCs, TO-15	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	0.9	U	0.91	U	0.87	U	0.87	U	0.87	U	0.97	U
1,1,1-Trichloroethane	0.72	U	1.3	D	0.83	D	0.69	U	0.69	U	0.77	U
1,1,2,2-Tetrachloroethane	0.9	U	0.91	U	0.87	U	0.87	U	0.87	U	0.97	U
1,1,2-Trichloro-1,2,2-trifluoroethane	1	U	1	U	0.97	U	0.97	U	0.97	U	1.1	U
1,1,2-Trichloroethane	0.72	U	0.73	U	0.69	U	0.69	U	0.69	U	0.77	U
1,1-Dichloroethane	0.53	U	0.54	U	0.51	U	0.51	U	0.51	U	0.57	U
1,1-Dichloroethene	0.13	U	0.13	U	0.13	U	0.13	U	4.6	D	0.68	D
1,2,4-Trichlorobenzene	0.98	U	0.99	U	0.94	U	0.94	U	0.94	U	1.1	U
1,2,4-Trimethylbenzene	7.1	D	4.7	D	510	D	4	D	6.2	D	11	D
1,2-Dibromoethane	1	U	1	U	0.98	U	0.98	U	0.97	U	1.1	U
1,2-Dichlorobenzene	1.2	D	1	D	1.5	D	0.76	U	1.1	D	0.94	D
1,2-Dichloroethane	0.53	U	0.54	U	0.51	U	0.51	U	0.51	U	0.57	U
1,2-Dichloropropane	0.61	U	0.62	U	0.59	U	0.59	U	0.59	U	0.66	U
1,2-Dichlorotetrafluoroethane	0.92	U	0.93	U	0.89	U	0.89	U	0.89	U	0.99	U
1,3,5-Trimethylbenzene	3.6	D	1.8	D	220	D	1.6	D	3.1	D	4.7	D
1,3-Butadiene	47	D	0.88	U	52	D	0.84	U	44	D	21	D
1,3-Dichlorobenzene	4	D	3	D	5	D	0.76	U	3.4	D	2.5	D
1,3-Dichloropropane	0.61	U	0.62	U	0.59	U	0.59	U	0.59	U	0.66	U
1,4-Dichlorobenzene	1.6	D	1.4	D	2.1	D	0.76	U	1.4	D	1.2	D
1,4-Dioxane	0.95	U	0.96	U	0.92	U	0.92	U	0.91	U	1	U
2-Butanone	18	D	9.5	D	12	D	2	D	10	D	12	D
2-Hexanone	7	D	4.9	D	71	D	1	U	6.5	D	5.3	D
3-Chloropropene	2.1	U	2.1	U	2	U	2	U	2	U	2.2	U
4-Methyl-2-pentanone	0.54	U	0.55	U	0.52	U	0.52	U	0.52	U	0.58	U
Acetone	51	D	30	D	35	D	7.5	D	27	D	43	D
Acrylonitrile	0.29	U	0.29	U	0.28	U	0.28	U	0.28	U	0.31	U
Benzene	54	D	20	D	47	D	11	D	37	D	31	D
Benzyl chloride	0.68	U	0.69	U	0.66	U	0.66	U	0.66	U	0.74	U
Bromodichloromethane	0.88	U	0.89	U	0.85	U	0.85	U	0.85	U	0.95	U
Bromoform	1.4	U	1.4	U	1.3	U	1.3	U	1.3	U	1.5	U
Bromomethane	0.51	U	0.52	U	0.49	U	0.49	U	0.49	U	0.55	U
Carbon disulfide	22	D	4.7	D	22	D	3.3	D	22	D	44	D
Carbon tetrachloride	0.33	D	1.8	D	0.4	D	0.56	D	2.6	D	0.89	D
Chlorobenzene	11	D	7.4	D	11	D	1.6	D	9.3	D	6.9	D
Chloroethane	0.35	U	0.35	U	0.34	U	0.34	U	0.33	U	0.37	U
Chloroform	5.1	D	6.6	D	4.2	D	0.62	U	14	D	8.3	D
Chloromethane	2.6	D	1.2	D	0.95	D	1.4	D	1.3	D	1.3	D
cis-1,2-Dichloroethene	0.13	U	0.37	D	0.81	D	0.35	D	3.6	D	0.56	D
cis-1,3-Dichloropropene	0.6	U	0.6	U	0.58	U	0.58	U	0.58	U	0.64	U
Cyclohexane	6.9	D	3.4	D	5	D	1.3	D	7	D	3.8	D
Dibromochloromethane	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U
Dichlorodifluoromethane	2.9	D	2.2	D	1.8	D	2	D	2	D	3.2	D
Ethyl Acetate	4.1	D	1.7	D	3.3	D	0.92	U	2.8	D	1.8	D
Ethylbenzene	8.1	D	5.1	D	240	D	3.4	D	4.7	D	6.6	D
Hexachlorobutadiene	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.5	U
Isopropanol	10	D	3.1	D	0.63	U	2.2	D	5.1	D	4.9	D
Methyl Methacrylate	0.54	U	0.54	U	0.52	U	0.52	U	0.52	U	0.58	U
Methyl tert butyl ether	0.48	U	0.48	U	0.46	U	0.46	U	0.46	U	0.51	U
Methylene chloride	2.8	D	0.92	U	2.2	D	1.3	D	2.7	D	1.6	D
n-Heptane	46	D	38	D	34	D	3.5	D	20	D	35	D
n-Hexane	81	D	79	D	46	D	6.6	D	28	D	62	D
o-Xylene	16	D	11	D	510	D	5.2	D	12	D	10	D
p/m-Xylene	19	D	12	D	1,400	D	12	D	14	D	15	D
p-Ethyltoluene	8.4	D	5.9	D	720	D	4.6	D	7.5	D	11	D
Propylene	610	D	170	D	510	D	76	D	520	D	190	D
Styrene	0.56	U	0.57	U	0.54	U	0.54	U	0.54	U	2.4	D
Tetrachloroethene	15	D	450	D	380	D	11	D	150	D	72	D
Tetrahydrofuran	36	D	0.79	U	25	D	6.1	D	27	D	20	D
Toluene	34	D	20	D	48	D	9.6	D	17	D	28	D
trans-1,2-Dichloroethene	0.52	U	0.53	U	0.5	U	0.5	U	0.55	D	0.56	U
trans-1,3-Dichloropropene	0.6	U	0.6	U	0.58	U	0.58	U	0.58	U	0.64	U
Trichloroethene	44	D	970	D	1,000	D	28	D	4,800	D	520	D
Trichlorofluoromethane	4.5	D	5	D	1	D	1.3	D	1.6	D	9.1	D
Vinyl acetate	0.46	U	0.47	U	0.45	U	0.45	U	0.45	U	0.5	U
Vinyl bromide	0.58	U	0.58	U	0.56	U	0.56	U	0.55	U	0.62	U
Vinyl chloride	0.084	U	0.085	U	0.081	U	0.081	U	0.081	U	0.091	U

Detected concentrations  
Notable concentrations

Notes: NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank

**Table 5: VOCs in Soil Vapor and Air**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

Sample ID	SV-07		SV-08		SV-09		IA-01		OA-01	
All data in $\mu\text{g}/\text{m}^3$	(2019-07-18)		(2019-07-18)		(2019-07-18)		(2018-01-10)		(2018-01-10)	
Sample Date	79.35		3.4		5.71		0.53		0.53	
U= Not Detected $\geq$ value Dilution Factor										
VOCs, TO-15	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	11	U	2.3	U	3.9	U	0.37	U	0.37	U
1,1,1-Trichloroethane	8.7	U	1.9	U	3.1	U	0.29	U	0.29	U
1,1,2,2-Tetrachloroethane	11	U	2.3	U	3.9	U	0.37	U	0.37	U
1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	2.6	U	4.4	U	0.41	U	0.41	D
1,1,2-Trichloroethane	8.7	U	1.9	U	3.1	U	0.29	U	0.29	U
1,1-Dichloroethane	6.4	U	1.4	U	2.3	U	0.22	U	0.22	U
1,1-Dichloroethene	1.6	U	0.34	U	0.57	U	0.053	U	0.053	U
1,2,4-Trichlorobenzene	12	U	2.5	U	4.2	U	0.4	U	0.4	U
1,2,4-Trimethylbenzene	7.8	U	3.8	D	3.7	D	3.3	D	3.8	D
1,2-Dibromoethane	12	U	2.6	U	4.4	U	0.41	U	0.41	U
1,2-Dichlorobenzene	9.5	U	2	U	3.4	U	0.32	U	0.32	U
1,2-Dichloroethane	6.4	U	1.4	U	2.3	U	0.22	U	0.22	U
1,2-Dichloropropane	7.3	U	1.6	U	2.6	U	0.25	U	0.25	U
1,2-Dichlorotetrafluoroethane	11	U	2.4	U	4	U	0.37	U	0.37	U
1,3,5-Trimethylbenzene	7.8	U	1.7	U	2.8	U	0.81	D	1.1	D
1,3-Butadiene	11	U	12	D	5.7	D	0.35	U	0.35	U
1,3-Dichlorobenzene	9.5	U	5.7	D	4.5	D	0.32	U	0.32	U
1,3-Dichloropropane	7.3	U	1.6	U	2.6	U	0.25	U	0.25	U
1,4-Dichlorobenzene	9.5	U	2	U	3.4	U	0.32	U	0.32	U
1,4-Dioxane	11	U	2.5	U	4.1	U	0.38	U	0.38	U
2-Butanone	9.8	D	10	D	8.8	D	0.25	D	1.3	D
2-Hexanone	13	U	2.8	U	4.7	U	0.44	U	0.44	U
3-Chloropropene	25	U	5.3	U	8.9	U	0.83	U	0.83	U
4-Methyl-2-pentanone	6.5	U	1.4	U	2.3	U	0.9	D	0.22	U
Acetone	35	D	42	D	42	D	4.7	D	4.4	D
Acrylonitrile	3.4	U	0.74	D	1.2	U	0.12	U	0.12	U
Benzene	5.6	D	7.5	D	3.8	D	2.6	D	1	D
Benzyl chloride	8.2	U	1.8	U	3	U	0.28	U	0.28	U
Bromodichloromethane	11	U	2.3	U	3.8	U	0.36	U	0.36	U
Bromoform	16	U	3.5	U	5.9	U	0.55	U	0.55	U
Bromomethane	6.2	U	1.3	U	2.2	U	0.21	U	0.21	U
Carbon disulfide	4.9	U	1.9	D	15	D	0.17	U	0.17	U
Carbon tetrachloride	5	D	9.6	D	100	D	0.37	D	0.37	D
Chlorobenzene	7.3	U	3	D	2.6	U	0.25	U	0.25	U
Chloroethane	4.2	U	0.9	U	1.5	U	0.14	U	0.14	U
Chloroform	19	D	7.1	D	13	D	0.26	U	0.26	U
Chloromethane	3.3	U	0.7	U	1.2	U	0.97	D	0.89	D
cis-1,2-Dichloroethene	3.8	D	0.34	U	0.57	U	0.053	U	0.053	U
cis-1,3-Dichloropropene	7.2	U	1.5	U	2.6	U	0.24	U	0.24	U
Cyclohexane	5.5	U	1.2	D	4.9	D	0.35	D	0.24	D
Dibromochloromethane	14	U	2.9	U	4.9	U	0.45	U	0.45	U
Dichlorodifluoromethane	7.8	U	2.4	D	3.4	D	1.8	D	2.2	D
Ethyl Acetate	11	U	2.5	U	4.1	U	0.38	U	0.73	D
Ethylbenzene	7.6	D	5	D	3.7	D	1.5	D	1.9	D
Hexachlorobutadiene	17	U	3.6	U	6.1	U	0.57	U	0.57	U
Isopropanol	12	D	25	D	5.8	D	0.26	U	0.3	D
Methyl Methacrylate	6.5	U	1.4	U	2.3	U	0.22	U	0.22	U
Methyl tert butyl ether	5.7	U	1.2	U	2.1	U	0.19	U	0.19	U
Methylene chloride	11	U	8	D	8.5	D	0.37	U	0.41	D
n-Heptane	15	D	7.1	D	2.3	U	2.6	D	0.55	D
n-Hexane	7.3	D	3.5	D	5	D	0.49	D	0.64	D
o-Xylene	8.3	D	5	D	4	D	2	D	2.3	D
p/m-Xylene	26	D	18	D	12	D	6.4	D	6	D
p-Ethyltoluene	7.8	U	4.5	D	3.1	D	2.4	D	4	D
Propylene	53	D	77	D	35	D	2.6	D	0.79	D
Styrene	6.8	U	1.5	U	2.4	U	0.43	D	0.23	U
Tetrachloroethene	750	D	740	D	1,200	D	0.36	D	0.58	D
Tetrahydrofuran	9.4	U	3	D	3.4	U	0.31	U	0.88	D
Toluene	33	D	30	D	16	D	4.2	D	3.2	D
trans-1,2-Dichloroethene	6.3	U	1.3	U	2.3	U	0.21	U	0.21	U
trans-1,3-Dichloropropene	7.2	U	1.5	U	2.6	U	0.24	U	0.24	U
Trichloroethene	11,000	D	910	D	710	D	0.29	D	0.086	D
Trichlorofluoromethane	8.9	U	1.9	U	3.2	U	1	D	0.93	D
Vinyl acetate	5.6	U	1.2	U	2	U	0.19	U	0.19	U
Vinyl bromide	6.9	U	1.5	U	2.5	U	0.23	U	0.23	U
Vinyl chloride	1	U	0.22	U	0.37	U	0.034	U	0.034	U

Detected concentrations

Notable concentrations

Notes: NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank

Table Page 2 of 2

**Table 6: VOCs in Groundwater**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

All data in µg/L (parts per billion, ppb) U= Not Detected ≥ value Data above AWQS shown in <b>Bold</b>	Sample ID Sample Date Dilution Factor	MW-01 20200103		MW-02 20200114		MW-03 20200103		MW-03 20200103 DUP		DUP-20200114 (from MW-02) (2020-01-14)	
		(2020-01-03)		(2020-01-14)		(2020-01-03)		(2020-01-03)		(2020-01-14)	
		1	1	1	1	1	1	1	1	1	1
VOCs, 8260	AWQS	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-tetrachloroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,1-trichloroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,2,2-tetrachloroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,2-trichloro-1,2,2-trifluoroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,2-trichloroethane	1	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1-dichloroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1-dichloroethylene (1,1-DCE)	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,3-trichlorobenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,3-trichloropropane	0.04	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-trichlorobenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-trimethylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-dibromo-3-chloropropane	0.04	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-dibromoethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-dichlorobenzene	3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-dichloroethane	0.6	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-dichloropropane	1	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,3,5-trimethylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,3-dichlorobenzene	3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,4-dichlorobenzene	3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,4-dioxane	NA	40	U	40	U	40	U	40	U	40	U
2-butanone (MEK)	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
2-hexanone (MBK)	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
4-methyl-2-pentanone	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
acetone	50	1	U	1.2	J	1.6	J	1	U	1	U
acrolein	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
acrylonitrile	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
benzene	1	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
bromochloromethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
bromodichloromethane	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
bromoform	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
bromomethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
carbon disulfide	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
carbon tetrachloride	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
chlorobenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
chloroethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
chloroform	7	0.38	J	0.39	J	1.9	J	2.5	J	0.4	J
chloromethane	5	0.2	U	0.32	J	0.2	U	0.2	U	0.2	U
cis-1,2-dichloroethylene (cis-DCE)	5	0.4	J	1.1	J	0.99	J	1.4	J	1.1	J
cis-1,3-dichloropropylene	0.4	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
cyclohexane	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
dibromochloromethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
dibromomethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
dichlorodifluoromethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
ethyl benzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
hexachlorobutadiene	0.5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
isopropylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
methyl acetate	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
methyl tert-butyl ether (MTBE)	10	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
methylcyclohexane	NA	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
methylene chloride	5	1	U	1	U	1	U	1	U	1	U
n-butylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
n-propylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
o-xylene (included in total xylenes)	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
p- & m- xylenes (included in total xylenes)	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-isopropyltoluene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
sec-butylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
styrene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
tert-butyl alcohol (TBA)	NA	0.5	U	3.4	J	0.5	U	0.5	U	3	J
tert-butylbenzene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
tetrachloroethylene (PCE)	5	16	J	22	J	11	J	14	J	22	J
toluene	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
trans-1,2-dichloroethylene (trans-DCE)	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
trans-1,3-dichloropropylene	0.4	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
trichloroethylene (TCE)	5	17	J	23	J	11	J	15	J	22	J
trichlorofluoromethane	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
vinyl chloride (VC)	2	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
xylenes, total	5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
<b>TOTAL PCE, TCE and breakdown products</b>		<b>33.4</b>		<b>46.1</b>		<b>23.0</b>		<b>30.4</b>		<b>45.1</b>	
<b>TOTAL petroleum compounds</b>		<b>Not Detected</b>		<b>Not Detected</b>		<b>Not Detected</b>		<b>Not Detected</b>		<b>Not Detected</b>	
<b>TOTAL VOCs</b>		<b>33.78</b>		<b>51.41</b>		<b>26.49</b>		<b>32.9</b>		<b>48.5</b>	

Detected concentrations  
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available  
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted



**Table 7: SVOCs in Groundwater**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

All data in µg/L (parts per billion, ppb) U= Not Detected ≥ value Data above AWQS shown in Bold	Sample ID Sample Date Dilution Factor	MW-01 20200103		MW-02 20200114		MW-03 20200103		MW-03 20200103 DUP		DUP-20200114 (MW-02)	
		(2020-01-03)		(2020-01-14)		(2020-01-03)		(2020-01-03)		(2020-01-14)	
		1		1		1		1		1	
SVOCs, 8270	AWQS	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1'-biphenyl	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
1,2,4,5-tetrachlorobenzene	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
1,2,4-trichlorobenzene	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
1,2-dichlorobenzene	3	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
1,2-diphenylhydrazine (azobenzene)	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
1,3-dichlorobenzene	3	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
1,4-dichlorobenzene	3	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2,3,4,6-tetrachlorophenol	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2,4,5-trichlorophenol	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2,4,6-trichlorophenol	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2,4-dichlorophenol	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2,4-dimethylphenol	50	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2,4-dinitrophenol	10	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2,4-dinitrotoluene	5	2.56	U	2.78	U	<b>12.5</b>		2.5	U	2.78	U
2,6-dinitrotoluene	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2-chloronaphthalene	10	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2-chlorophenol	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2-methylnaphthalene	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2-methylphenol	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2-nitroaniline	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
2-nitrophenol	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
3- & 4-methylphenols	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
3,3'-dichlorobenzidine	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
3-nitroaniline	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
4,6-dinitro-2-methylphenol	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
4-bromophenyl phenyl ether	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
4-chloro-3-methylphenol	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
4-chloroaniline	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
4-chlorophenyl phenyl ether	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
4-nitroaniline	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
4-nitrophenol	5	5.13	U	5.56	U	5	U	5	U	5.56	U
acenaphthene	20	0.0513	U	0.0556	U	0.05	U	0.05	U	0.0556	U
acenaphthylene	NA	0.0513	U	0.0556	U	0.05	U	0.05	U	0.0556	U
acetophenone	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
aniline	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
anthracene	50	0.0513	U	0.0556	U	0.05	U	0.06		0.0556	U
atrazine	7.5	0.513	U	0.556	U	0.5	U	0.5	U	0.556	U
benzaldehyde	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
benzidine	5	5.13	U	5.56	U	5	U	5	U	5.56	U
benzo(a)anthracene	0.002	0.0513	U	0.0556	U	0.05	U	0.06		0.0556	U
benzo(a)pyrene	NA	0.0513	U	0.0556	U	0.05	U	0.05	U	0.0556	U
benzo(b)fluoranthene	0.002	0.0513	U	0.0556	U	0.05	U	0.05	U	0.0556	U
benzo(g,h,i)perylene	NA	0.0513	U	0.0556	U	0.05	U	0.05	U	0.0556	U
benzo(k)fluoranthene	0.002	0.0513	U	0.0556	U	0.05	U	0.05	U	0.0556	U
benzoic acid	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
benzyl alcohol	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
benzyl butyl phthalate	50	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
bis(2-chloroethoxy)methane	5	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
bis(2-chloroethyl)ether	1	1.03	U	1.11	U	1	U	1	U	1.11	U
bis(2-chloroisopropyl)ether	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
bis(2-ethylhexyl)phthalate	5	12.8	BD	1.26		0.69	B	0.65	B	0.756	
caprolactam	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
carbazole	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
chrysene	0.002	0.0513	U	0.0556	U	0.05	U	0.05	U	0.0556	U
dibenzo(a,h)anthracene	NA	0.0513	U	0.0556	U	0.05	U	0.05	U	0.0556	U
dibenzofuran	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
diethyl phthalate	50	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
dimethyl phthalate	50	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
di-n-butyl phthalate	50	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
di-n-octyl phthalate	50	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
fluoranthene	50	0.0615	U	0.0556	U	0.05	U	0.13		0.0556	U
fluorene	50	0.0615	U	0.0556	U	0.05	U	0.05	U	0.0556	U
hexachlorobenzene	0.04	0.0205	U	0.0222	U	0.02	U	0.02	U	0.0222	U
hexachlorobutadiene	0.5	0.513	U	0.556	U	0.5	U	0.5	U	0.556	U
hexachlorocyclopentadiene	5	5.13	U	5.56	U	5	U	5	U	5.56	U
hexachloroethane	5	0.513	U	0.556	U	0.5	U	0.5	U	0.556	U
indeno(1,2,3-cd)pyrene	0.002	0.0513	U	0.0556	U	0.05	U	0.05	U	0.0556	U
isophorone	50	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
naphthalene	10	0.113	U	0.0556	U	0.05	U	0.13		0.0556	U
nitrobenzene	0.4	0.256	U	0.278	U	0.25	U	0.25	U	0.278	U
n-nitrosodimethylamine	50	0.513	U	0.556	U	0.5	U	0.5	U	0.556	U
n-nitroso-di-n-propylamine	NA	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
n-nitrosodiphenylamine	50	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
pentachlorophenol	1	0.256	U	0.278	U	0.25	U	0.25	U	0.278	U
phenanthrene	50	0.174	U	0.0556	U	0.06		0.16		0.0556	U
phenol	1	2.56	U	2.78	U	2.5	U	2.5	U	2.78	U
pyrene	50	0.0513	U	0.0556	U	0.05	U	0.12		0.0556	U

Detected concentrations  
Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available  
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 8: Pesticides and PCBs in Groundwater**

Site ID: 811 Lexington Avenue, Brooklyn

GBTS File: IB19062

<i>All data in µg/L (parts per billion, ppb)</i> <i>U= Not Detected ≥ value</i> <i>Data above AWQS shown in Bold</i>		Sample ID		MW-01 20200103		MW-02 20200114		MW-03 20200103		MW-03 20200103 DUP		DUP-20200114 (MW-02)	
		Sample Date		(2020-01-03)		(2020-01-14)		(2020-01-03)		(2020-01-03)		(2020-01-14)	
		Dilution Factor		1		1		1		1		1	
Pesticides, 8081	AWQS	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
4,4'-DDD	0.3	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
4,4'-DDE	0.2	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
4,4'-DDT	0.2	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
aldrin	NA	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
alpha-BHC	0.01	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
alpha-chlordane	0.05	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
beta-BHC	0.04	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
chlordane, total	0.05	0.0205	U	0.0235	U	0.02	U	0.02	U	0.0216	U		
delta-BHC	0.04	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
dieldrin	0.004	0.00205	U	0.00235	U	0.002	U	0.002	U	0.00216	U		
endosulfan I	NA	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
endosulfan II	NA	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
endosulfan sulfate	NA	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
endrin	NA	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
endrin aldehyde	5	0.0103	U	0.0118	U	0.01	U	0.01	U	0.0108	U		
endrin ketone	5	0.0103	U	0.0118	U	0.01	U	0.01	U	0.0108	U		
gamma-BHC (lindane)	0.05	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
gamma-chlordane	0.05	0.0103	U	0.0118	U	0.01	U	0.01	U	0.0108	U		
heptachlor	0.04	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
heptachlor epoxide	0.03	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
methoxychlor	35	0.0041	U	0.00471	U	0.004	U	0.004	U	0.00432	U		
toxaphene	0.06	0.103	U	0.118	U	0.1	U	0.1	U	0.108	U		

		Sample ID		MW-01 20200103		MW-02 20200114		MW-03 20200103		MW-03 20200103 DUP		DUP-20200114 (MW-02)	
		Sample Date		(2020-01-03)		(2020-01-14)		(2020-01-03)		(2020-01-03)		(2020-01-14)	
		Dilution Factor		1		1		1		1		1	
PCBs, 8082	AWQS	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1016	0.09	0.0513	U	0.0588	U	0.05	U	0.05	U	0.0541	U		
Aroclor 1221	0.09	0.0513	U	0.0588	U	0.05	U	0.05	U	0.0541	U		
Aroclor 1232	0.09	0.0513	U	0.0588	U	0.05	U	0.05	U	0.0541	U		
Aroclor 1242	0.09	0.0513	U	0.0588	U	0.05	U	0.05	U	0.0541	U		
Aroclor 1248	0.09	0.0513	U	0.0588	U	0.05	U	0.05	U	0.0541	U		
Aroclor 1254	0.09	0.0513	U	0.0588	U	0.05	U	0.05	U	0.0541	U		
Aroclor 1260	0.09	0.0513	U	0.0588	U	0.05	U	0.05	U	0.0541	U		
Aroclor, Total	0.09	0.0513	U	0.0588	U	0.05	U	0.05	U	0.0541	U		

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 9: TAL Metals (Total) in Groundwater**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

<i>All data in µg/L (parts per billion, ppb)</i> <i>U= Not Detected ≥ value</i> <i>Data above AWQS shown in Bold</i>		Sample ID		MW-01 20200103		MW-02 20200114		MW-03 20200103		MW-03 20200103 DUP		DUP-20200114 (MW-02)	
		Sample Date		(2020-01-03)		(2020-01-14)		(2020-01-03)		(2020-01-03)		(2020-01-14)	
		Factor		1		1		1		1		1	
Metals, 6010 and 7473	AWQS	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
aluminum	NA	347		315		1,570		497		144			
antimony	3	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U
arsenic	25	1.11	U	1.17		1.11	U	1.11	U	1.11	U	1.11	U
barium	1,000	54.9		83.8		81.8		77.1		81.7			
beryllium	3	0.333	U	0.333	U	0.333	U	0.333	U	0.333	U	0.333	U
cadmium	5	0.556	U	0.556	U	0.556	U	0.556	U	0.556	U	0.556	U
calcium	NA	45,300		51,100		93,900		96,100		51,500			
chromium	50	<b>3,390</b>		<b>292</b>		8.5		5.67		<b>290</b>			
cobalt	5	<b>10.7</b>		<b>9.12</b>		4.72		4.44	U	<b>8.66</b>			
copper	200	22.2	U	22.2	U	22.2	U	22.2	U	22.2	U	22.2	U
iron**	300	<b>642</b>		<b>788</b>		<b>3,000</b>		<b>1,170</b>		<b>447</b>			
lead	25	5.56	U	5.56	U	6.81		5.6		5.56	U		
magnesium	35,000	19,500		25,300		27,500		27,600		25,100			
manganese**	300	289		229		<b>1,180</b>		<b>1,230</b>		222			
mercury	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
nickel	100	<b>197</b>		26.7		11.1	U	11.1	U	23.9			
potassium	NA	4,500	B	5,540	B	6,260	B	6,190	B	5,800	B		
selenium	10	1.11	U	1.11	U	4.5		4.09		1.11	U		
silver	50	48.5		5.56	U	5.56	U	5.56	U	5.56	U		
sodium	20,000	<b>55,300</b>		<b>116,000</b>		<b>95,500</b>		<b>99,100</b>		<b>119,000</b>			
thallium	0.5	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U
vanadium	14	11.1	U	11.1	U	<b>14.5</b>		12.5		11.1	U		
zinc	2,000	27.8	U	27.8	U	31.3		27.8	U	27.8	U		

\*\* combined iron and manganese = 500

Detected concentrations  
**Concentrations above AWQS**

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 10: TAL Metals (Dissolved) in Groundwater**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

<i>All data in µg/L (parts per billion, ppb)</i> <i>U= Not Detected ≥ value</i> <i>Data above AWQS shown in Bold</i>		Sample ID		MW-01 20200103		MW-02 20200114		MW-03 20200103		MW-03 20200103 DUP		DUP-20200114 (MW-02)	
		Sample Date		(2020-01-03)		(2020-01-14)		(2020-01-03)		(2020-01-03)		(2020-01-14)	
		Factor		1		1		1		1		1	
Metals, 6010 and 7473	AWQS	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
aluminum	NA	55.6	U	55.6	U	55.6	U	55.6	U	55.6	U	55.6	U
antimony	3	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U
arsenic	25	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U
barium	1,000	52.3		84.5		65.4		65.5		83.6			
beryllium	3	0.333	U	0.333	U	0.333	U	0.333	U	0.333	U	0.333	U
cadmium	5	0.556	U	0.556	U	0.556	U	0.556	U	0.556	U	0.556	U
calcium	NA	44,000		53,800		91,600		92,000		54,800			
chromium	50	3,590		314		5.56	U	5.56	U	305			
cobalt	5	11.4		8.87		4.44	U	4.44	U	8.26			
copper	200	22.2	U	22.2	U	22.2	U	22.2	U	22.2	U	22.2	U
iron**	300	278	U	278	U	278	U	278	U	278	U	278	U
lead	25	5.56	U	5.56	U	5.56	U	5.56	U	5.56	U	5.56	U
magnesium	35,000	18,500		26,100		25,300		25,300		27,100			
manganese**	300	284		227		1,090		1,140		221			
mercury	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
nickel	100	213		13.7		11.1	U	11.1	U	11.1	U	11.1	U
potassium	NA	4,400		6,230		6,000		6,100		6,240			
selenium	10	15.7	B	1.11	U	9.98	B	3.41	B	1.11	U		
silver	50	42.6		5.56	U	5.56	U	5.56	U	5.71			
sodium	20,000	54,300		124,000		94,000		96,700		124,000			
thallium	0.5	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U
vanadium	14	11.1	U	11.1	U	11.1	U	11.1	U	11.1	U	11.1	U
zinc	2,000	27.8	U	27.8	U	27.8	U	27.8	U	27.8	U	27.8	U

\*\* combined iron and manganese = 500

Detected concentrations  
**Concentrations above AWQS**

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available  
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

**Table 11: 1,4-Dioxane and PFAS in Groundwater**

Site ID: 811 Lexington Avenue

GBTS File: IB19062

Sample ID Sample Date Dilution Factor	MW-01 20200103		MW-02 20200114		MW-03 20200103		MW-03 20200103 DUP		DUP-20200114 (MW-02)		FB-20200114	
	(2020-01-03)		(2020-01-14)		(2020-01-03)		(2020-01-03)		(2020-01-14)		(2020-01-14)	
	1		1		1		1		1		1	
<b>1,4-Dioxane (µg/L)</b>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>
1,4-Dioxane	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
<b>PFAS (µg/L)</b>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.004	U	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	0.01	U	0.005	U	0.01	U	0.01	U	0.005	U	0.005	U
N-EtFOSAA	0.00769	D	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
N-MeFOSAA	0.005	D	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
Perfluoro-1-decanesulfonic acid (PFDS)	0.004	U	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.004	U	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
Perfluoro-1-octanesulfonamide (FOSA)	0.004	U	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
Perfluorobutanesulfonic acid (PFBS)	0.004	U	0.00517		0.00556	D	0.00472	D	0.00528		0.002	U
Perfluorodecanoic acid (PFDA)	0.004	U	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
Perfluorododecanoic acid (PFDoA)	0.004	U	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
Perfluoroheptanoic acid (PFHpA)	0.0227	D	0.0146		0.0148	D	0.0134	D	0.0132		0.002	U
Perfluorohexanesulfonic acid (PFHxS)	0.00417	D	0.00587		0.00722	D	0.00639	D	0.00567		0.002	U
Perfluorohexanoic acid (PFHxA)	0.00995	D	0.0235		0.0162	D	0.0153	D	0.023		0.002	U
Perfluoro-n-butanoic acid (PFBA)	0.00683	D	0.0117		0.0104	D	0.00969	D	0.0119		0.002	U
Perfluorononanoic acid (PFNA)	0.004	U	0.002	U	0.00458	D	0.00511	D	0.002	U	0.002	U
Perfluorooctanesulfonic acid (PFOS)	0.0266	D	0.0212		0.0491	D	0.0464	D	0.0199		0.002	U
Perfluorooctanoic acid (PFOA)	0.109	D	0.0476		0.0509	D	0.0454	D	0.0455		0.002	U
Perfluoropentanoic acid (PFPeA)	0.00861	D	0.0326		0.016	D	0.0149	D	0.0317		0.002	U
Perfluorotetradecanoic acid (PFTA)	0.004	U	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
Perfluorotridecanoic acid (PFTrDA)	0.004	U	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
Perfluoroundecanoic acid (PFUnA)	0.004	U	0.002	U	0.004	U	0.004	U	0.002	U	0.002	U
<b>Total PFAS</b>	0.201		0.162		0.175		0.161		0.156		ND	
<b>Total PFOS and PFOA</b>	0.136		0.069		0.100		0.092		0.065		ND	

Analyte Detected

**APPENDIX A**

***Fieldwork Logs***

## GROUNDWATER MONITORING WELL PURGE DATA SHEET



**Project Name:** IMPACCT Brooklyn 811 Lexington Avenue  
**WCD ID:** IB19062  
**Date:** 1/3/2020  
**Field Personnel:** J. Rios, C. Siegrist  
**Weather:** AM: Rain, PM: Overcast 40-50F

**Well ID:** MW-01  
**PID Reading:** 7.1 ppm  
**Depth of well:** 54.1  
**Depth to water:** 43.82  
**Pump type:** QED MecroPurge & bladder pump

Time	Temp (°C)	pH	ORP (mv)	Specific Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Depth to Water (ft)	Purge Rate (mL/m)	Comments (e.g. color/clarity)
10:25	14.20	6.97	73	0.554	1000+	6.56	43.79		
10:30	14.42	6.96	57	0.561	787	3.91			
10:35	14.67	7.09	28	0.568	455	3.47	43.82		
10:40	14.69	7.12	11	0.579	325	3.28			
10:45	14.74	7.03	12	0.582	258	3.34	43.02		
10:50	14.73	7.15	-2	0.585	221	3.34			
10:55	14.79	7.12	-7	0.582	151	3.60			
11:00	14.83	7.08	-2	0.580	116	3.97	43.81		
11:05	14.86	7.07	3	0.578	77.2	4.37			
11:10	14.85	7.07	5	0.580	61.6	4.34			
11:15	14.86	7.06	8	0.580	47.0	4.27			
11:20	14.89	7.07	9	0.580	47.1	4.50			
11:25	14.88	7.05	10	0.583	46.5	4.39			

**\*\*\* STABILIZATION CRITERIA\*\*\***

Temp +/- 3%      pH +/- 0.1      ORP +/- 10      Spec Cond +/- 3%      Turb +/- 10%      DO +/- 10%

**\*\*\*PURGED WATER DETAILS\*\*\***

**Start/End time:** 10:20/11:25  
**Total purge time:** 65 minutes  
**Total volume:** 4.5 gallons  
**Purge rate:** \_\_\_\_\_

**CHARACTERISTICS:**  
**Odor:** none | slight | moderate | strong  
**Sheen:** none | slight | moderate | strong  
**L/DNAPL:** Yes | No    **L/DNAPL thickness (in.):** \_\_\_\_\_

**NOTES:**

sampling start 11:25  
 sampling end 12:00  
 MS/MSD start 12:00

## GROUNDWATER MONITORING WELL PURGE DATA SHEET



**Project Name:** IMPACCT Brooklyn 811 Lexington Avenue  
**WCD ID:** IB19062  
**Date:** 1/14/2020  
**Field Personnel:** J. Rios, E. Salazar  
**Weather:** Overcast, 40s

**Well ID:** MW-02  
**PID Reading:** 1.6 ppm  
**Depth of well:** 59.49  
**Depth to water:** 43.41  
**Pump type:** QED MacroPurge & bladder pump

Time	Temp (°C)	pH	ORP (mv)	Specific Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Depth to Water (ft)	Purge Rate (mL/m)	Comments (e.g. color/clarity)
11:57	12.48	6.65	301	0.989	474	8.26			light brown,
12:00	12.46	6.65	301	0.986	415	6.91	42.32		slightly opaque
12:03	12.41	6.65	301	0.981	387	6.37			
12:06	12.42	6.65	302	0.978	385	6.30			
12:09	12.40	6.65	302	0.978	367	6.21			
12:12	12.33	6.66	302	0.953	334	5.99			
12:15	12.32	6.66	302	0.952	337	6.00			
**Purging stopped to empty Horiba flow cell**									
12:40	12.62	6.67	303	0.910	196	5.69			
12:43	12.56	6.67	303	0.933	199	5.66			
12:46	12.44	6.66	304	0.935	194.0	5.56			
12:49	12.34	6.66	304	0.937	175	5.57			
12:52	12.26	6.66	304	0.937	170	5.53			
12:55	12.20	6.65	304	0.938	154	5.55			
12:58	12.13	6.65	304	0.939	145	5.39			
13:01	12.10	6.65	304	0.540	143	5.41			
13:04	12.04	6.65	302	0.941	127	5.58			
13:07	11.99	6.65	303	0.941	128	5.43			
13:10	12.00	6.61	303	0.941	119	5.38			

**\*\*\* STABILIZATION CRITERIA \*\*\***

Temp +/- 3%      pH +/- 0.1      ORP +/- 10      Spec Cond +/- 3%      Turb +/- 10%      DO +/- 10%

**\*\*\*PURGED WATER DETAILS\*\*\***

**Start/End time:** 11:00/12:15, 12:20/13:10  
**Total purge time:** 125 minutes  
**Total volume:** 3 gallons  
**Purge rate:** \_\_\_\_\_

**CHARACTERISTICS:**  
**Odor:** none | slight | moderate | strong  
**Sheen:** none | slight | moderate | strong  
**L/DNAPL:** Yes | No    L/DNAPL thickness (in.): \_\_\_\_\_

NOTES:



## GROUNDWATER MONITORING WELL PURGE DATA SHEET



**Project Name:** IMPACCT Brooklyn 811 Lexington Avenue  
**WCD ID:** IB19062  
**Date:** 1/3/2020  
**Field Personnel:** J. Rios, C. Siegrist  
**Weather:** AM: Rain, PM: Overcast 40-50F

**Well ID:** MW-03  
**PID Reading:** 4.7 ppm  
**Depth of well:** 60.79  
**Depth to water:** 41.03  
**Pump type:** QED MacroPurge & bladder pump

Time	Temp (°C)	pH	ORP (mv)	Specific Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Depth to Water (ft)	Purge Rate (mL/m)	Comments (e.g. color/clarity)
12:30	8.54	6.62	145	0.002	235	13.84	41.41		brown
12:35	8.62	6.65	144	0.002	235	12.70			
12:40									
12:45									
**Flow stops; purging is halted to clear bladder pump filter and Horiba; purging continues at 13:05. Turbidity readings are artifacts from system overloaded**									
13:05	14.19	7.02	108	0.790	0.0	1.96	41.46		
13:10	14.57	7.17	67	0.795	0.0	1.79			
13:15	14.61	7.19	57	0.794	0.0	1.77	41.44		
13:20	14.82	7.22	40	0.796	0.0	1.72	41.46		
13:25	14.87	7.23	28	0.804	0.0	1.71	41.46		
13:30	14.89	7.25	24	0.809	0.0	1.66	41.47		
13:35	14.84	7.26	23	0.817	0.0	1.95	41.46		
13:40	14.98	7.26	23	0.821	0.0	1.65			light-orange/brown
13:42	14.99	7.26	23	0.823	0.0	1.55			
13:44	15.00	7.26	22	0.824	0.0	1.42	41.45		

**\*\*\* STABILIZATION CRITERIA\*\*\***

Temp +/- 3%      pH +/- 0.1      ORP +/- 10      Spec Cond +/- 3%      Turb +/- 10%      DO +/- 10%

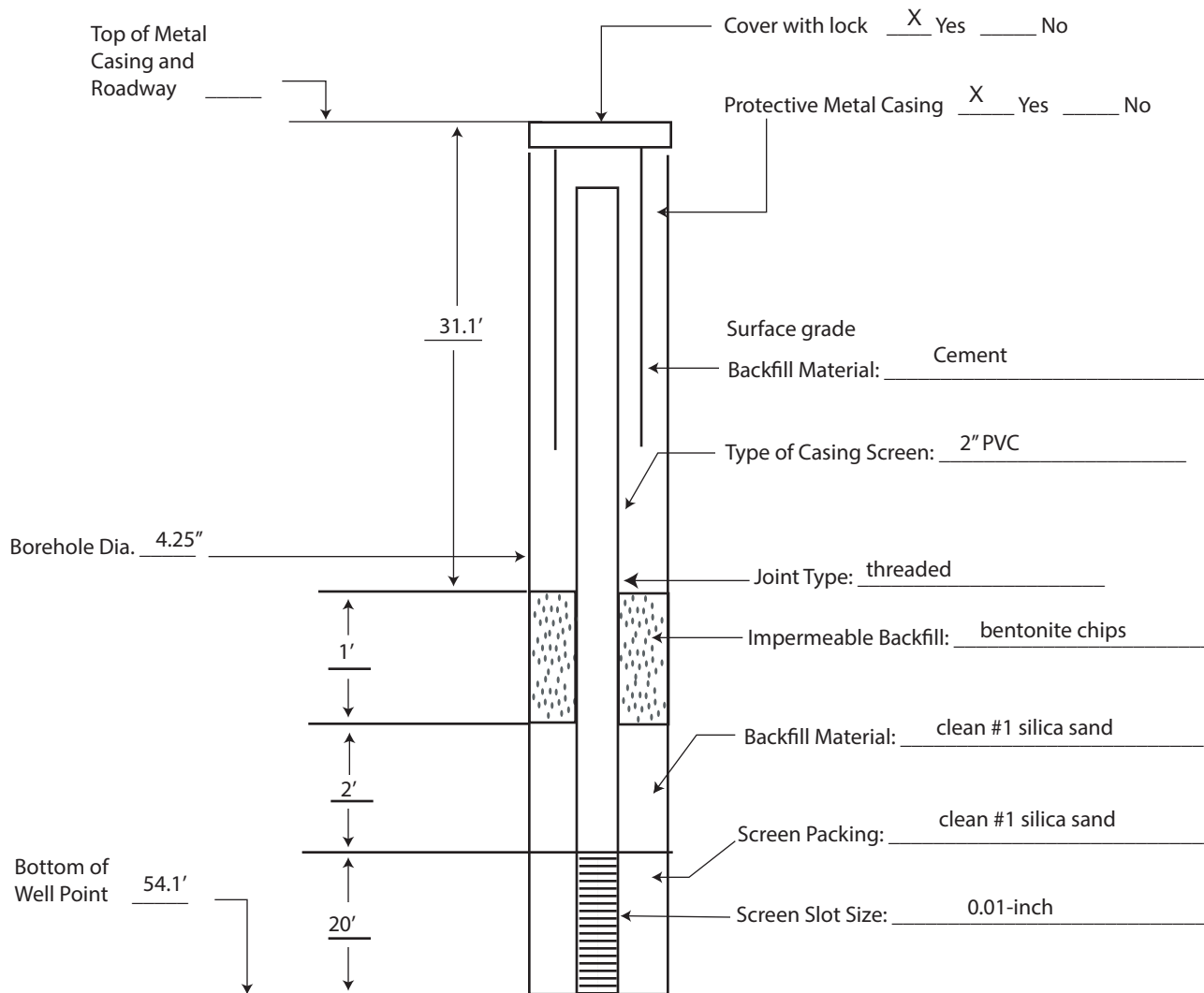
**\*\*\*PURGED WATER DETAILS\*\*\***

**Start/End time:** 13:05/13:44  
**Total purge time:** 39 minutes  
**Total volume:** \_\_\_\_\_  
**Purge rate:** \_\_\_\_\_

**CHARACTERISTICS:**  
**Odor:** none | slight | moderate | strong  
**Sheen:** none | slight | moderate | strong  
**L/DNAPL:** Yes | No    **L/DNAPL thickness (in.):** \_\_\_\_\_

**NOTES:**

sampling start 11:25  
 sampling end 12:00  
 MS/MSD start 12:00



Materials Used:

- Screen (PVC)
- Riser (PVC)
- Plug (PVC)
- Silica Sand
- Bentonite Chips
- Concrete Mix

**Monitor Well Installation Detail - MW-01**

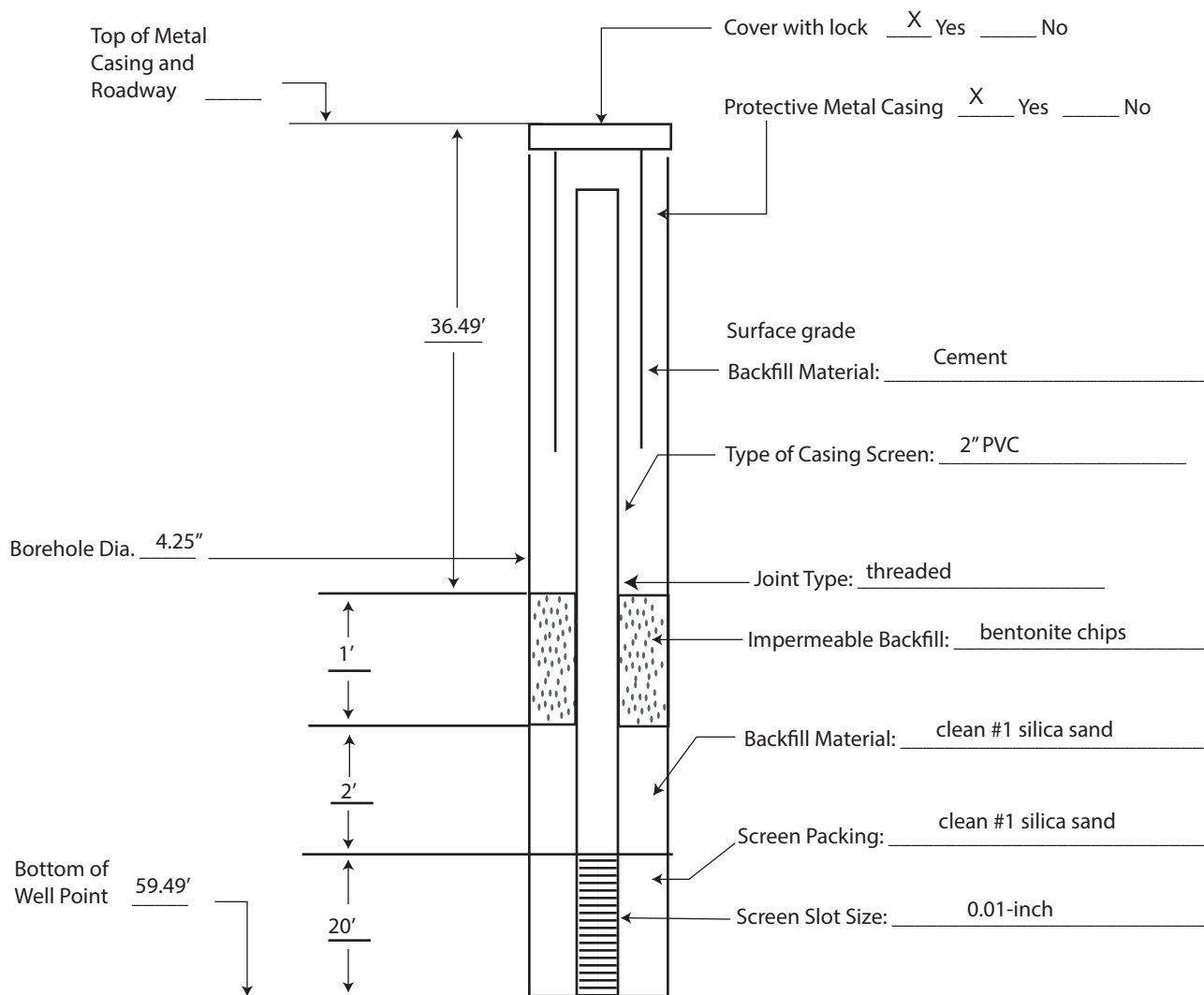
**(installed 12/17/2019)**

811-817 Lexington Avenue  
Borough of Brooklyn, New York

File: IB19062

February 2020

Appendix C



Materials Used:

- Screen (PVC)
- Riser (PVC)
- Plug (PVC)
- Silica Sand
- Bentonite Chips
- Concrete Mix

**Monitor Well Installation Detail - MW-02**

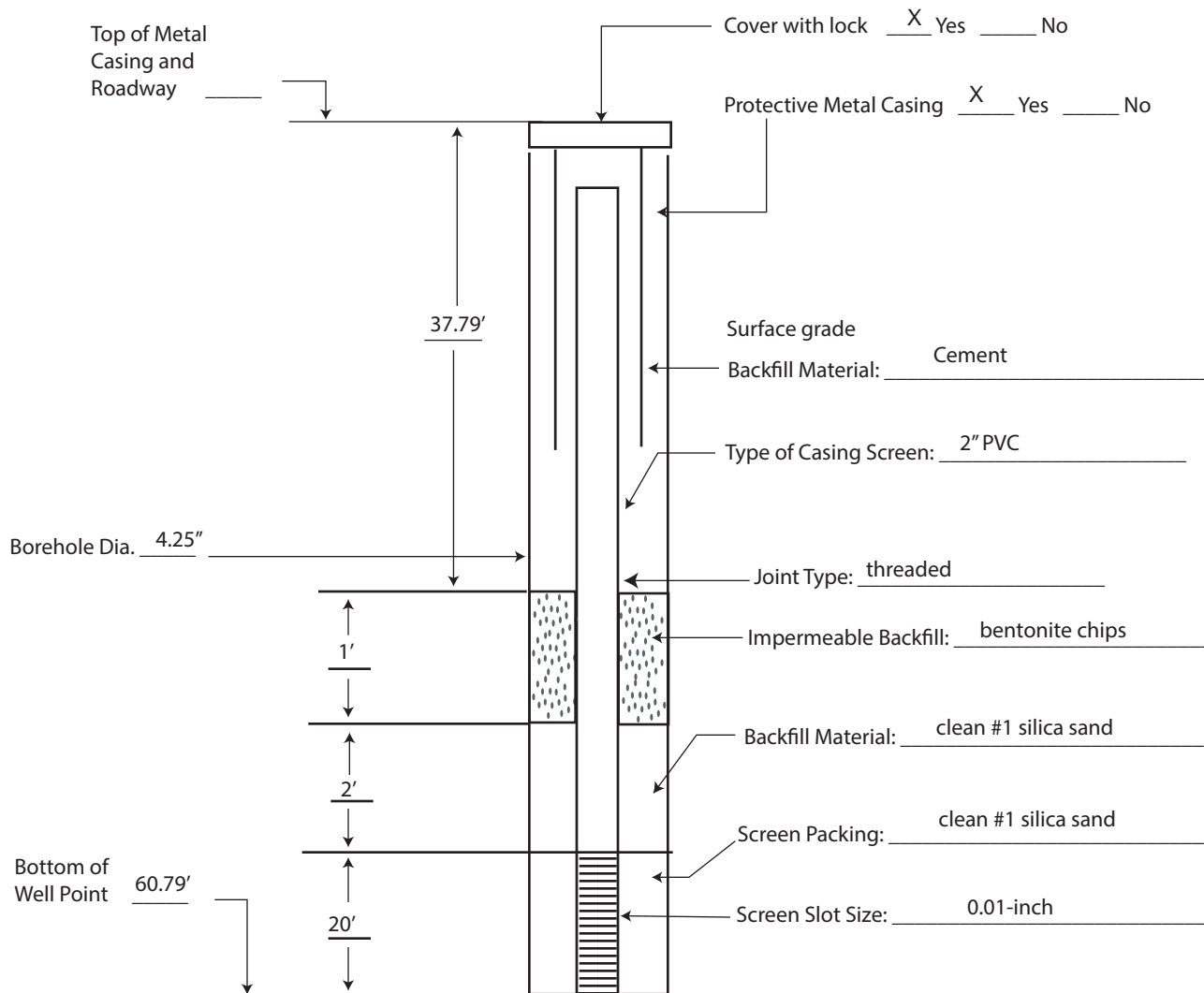
**(installed 12/17/2019)**

811-817 Lexington Avenue  
Borough of Brooklyn, New York

File: IB19062

February 2020

Appendix C



Materials Used:

- Screen (PVC)
- Riser (PVC)
- Plug (PVC)
- Silica Sand
- Bentonite Chips
- Concrete Mix

**Monitor Well Installation Detail - MW-03**

**(installed 12/17/2019)**

811-817 Lexington Avenue  
Borough of Brooklyn, New York

File: IB19062

February 2020

Appendix C

**APPENDIX B**

***Data Usability Summary Reports  
(to be provided)***

## **APPENDIX C**

### ***Previous Environmental Reports***

November 15, 2017

Mr. Lorne Norton  
IMPACCT Brooklyn  
1224 Bedford Avenue  
Brooklyn, New York 11216

**Re: Phase I Environmental Site Assessment for  
811-817 Lexington Avenue, Brooklyn, NY 11221**

Dear Mr. Norton:

In accordance with your authorization, ALC Environmental has completed a Phase I Environmental Site Assessment (ESA) of the property located at 811-817 Lexington Avenue, Brooklyn, New York 11221. The objective of this assessment was to evaluate the past and current environmental conditions at the site and to identify any potential areas of environmental concern or recognized environmental conditions that could affect the property's environmental integrity. This Phase I ESA was performed in general conformance with the scope and limitations of the American International (ASTM) Practice E1527-13.

The Phase I ESA identified recognized environmental conditions associated with the subject property. In addition, the Phase I ESA uncovered *de minimis* conditions that should be addressed in the near term. Details are provided in the report. Please call (212-675-5544) or e-mail ([tania.castro@alcenvironmental.com](mailto:tania.castro@alcenvironmental.com)) if you have any questions regarding this report. We appreciate the opportunity to be of service.

Respectfully submitted,



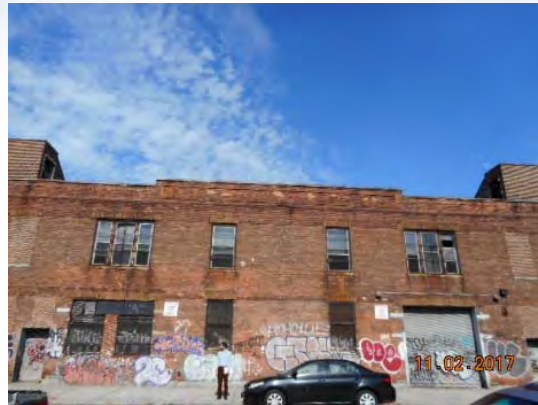
---

Tania Castro  
Real Estate Due Diligence, Division Manager  
ALC Environmental

Identify

Evaluate

**PHASE I  
ENVIRONMENTAL SITE  
ASSESSMENT**



**811-817 Lexington Avenue  
Brooklyn, NY 11221**

**Prepared by:**

**ALC Environmental  
121 West 27<sup>th</sup> Street, Suite 402  
New York, NY 10001**

**Prepared for:**

**IMPACCT Brooklyn  
1224 Bedford Avenue  
Brooklyn, New York 11216**

**November 15, 2017**

Solve

Execute



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## 1.0 EXECUTIVE SUMMARY

ALC Environmental (ALC) was contracted by IMPACCT Brooklyn, the Client, to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 811-817 Lexington Avenue, Brooklyn, New York 11221 (the "Subject Property"). The Subject Property consists of two adjacent lots comprised of a split-level 1-and 2-story vacant industrial building and an asphalt-paved parking lot. Below is a description of the subject lots:

Address	Block	Lot	Acreage	Description
811-817 Lexington Avenue	1622	51	0.183	Building
805-809 Lexington Avenue (former address)	1622	56	0.172	Parking lot

The subject parcels are located on the northern side of Lexington Avenue, between Patchen Avenue to the east and Malcolm X Boulevard to the west.

The objective of this assessment was to evaluate past and current environmental conditions at the Subject Property and to identify any potential areas of environmental concern or recognized environmental conditions that could affect the property's environmental integrity. This Phase I ESA was performed in general conformance with the scope and limitations of the ASTM International Practice E1527-13.

On November 2, 2017, ALC's Project Manager, Sanchita Basu Mallick, conducted a site reconnaissance at the Subject Property. The information included in this report was gathered from state and municipal offices and officials, the environmental database search, and from the site inspection.

The Subject Property is located in the Bedford-Stuyvesant section of Brooklyn borough of New York City. The immediate vicinity of the property consists of multi-family residential buildings, vacant lots, a church, a soup kitchen and social services organization, and an addiction treatment center. The current adjoining property uses do not appear to pose an environmental risk to the Subject Property. Below is a summary of the Phase I ESA findings:

	Acceptable	Corrective Action	Further Investigation	Reference Section
<b>USER PROVIDED INFORMATION</b>				
Environmental Cleanup Liens	✓			4.2
Activity & Land Use Limitations (AULs)	✓			4.3
Specialized Knowledge or Experience	✓			4.3
Relationship of Purchase Price to Fair Market Value	✓			4.0
Commonly Known or Reasonable Ascertainable Information	✓			4.0

	Acceptable	Corrective Action	Further Investigation	Reference Section
<b>RECORDS REVIEW</b>				
Degree of Obviousness	✓			4.0
Standard Environmental Record	✓			7.0
Physical Setting Records	✓			6.2
<b>HISTORICAL USE INFORMATION</b>				
Subject Property	✓			5.4
Adjoining Properties	✓			5.4
Surrounding Areas	✓			5.4.2
<b>GENERAL SITE SETTING</b>				
Current Use(s) of the Subject Property	✓			3.3
Current Use(s) of Adjoining Properties	✓			3.5
Current or Past Use of the Surrounding Area	✓			5.3
Surficial & Subsurface Physical Conditions			✓	5.0; 5.4.2 and 5.4.3
<b>INTERIOR &amp; EXTERIOR OBSERVATIONS</b>				
Lead-Based Paint	✓			6.3.1
Asbestos Containing Materials			✓	6.3.2
Hazardous Substance & Petroleum Products	✓			6.3.3
Storage Tanks			✓	6.3.4
Solid Waste		✓		6.3.5
Odors	✓			6.3.6
Hazardous Waste	✓			6.3.6
Vapor Encroachment			✓	6.3.7
Polychlorinated Biphenyls (PCBs)	✓			6.3.8
Wastewater	✓			6.3.9
Wetlands	✓			6.3.10
Radon	✓			6.3.11
Air Emissions	✓			6.3.12

	Acceptable	Corrective Action	Further Investigation	Reference Section
<b>INTERIOR &amp; EXTERIOR OBSERVATIONS</b>				
Stressed Vegetation	✓			6.3.13
Heating/Cooling	✓			6.3.14
Stains or Corrosion	✓			6.3.15
Drains & Sumps	✓			6.3.16
Mold			✓	6.3.17

### SUMMARY OF CURRENT RECOGNIZED ENVIRONMENTAL CONDITIONS

1. No underground or aboveground storage tanks, vent pipes, fill pipes or access ways indicative of underground storage tanks were visually observed at the Subject Property during the site visit. ALC notes that at the time of the site reconnaissance, the hatch doors leading to the basement were locked and therefore, the basement level was not inspected. However, fuel oil was historically utilized at the Subject Property as a source of heat, as evidenced by a fuel oil burner application dated 1960, which was on-file with the NYC Department of Buildings.

Additionally, the Subject Property is listed in the NY UST (Underground Storage Tanks) database in regards to an active 1,500-gallon No. 2 fuel oil tank. As per the database, the tank is permitted under the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage No. 2-333344, however the tank registration certificate expired on November 26, 2008. According to the database, the referenced tank was tested for tightness on June 1, 1995. There are no reported tank test failures associated with the Subject Property. Although requested, no information regarding the status and location of the referenced tank was provided by property management/ownership. The lack of information regarding the referenced 1,500-gallon No. 2 fuel oil UST constitutes a Recognized Environmental Condition (REC).

2. As per the historical Fire Insurance (Sanborn) maps and city directories reviewed, the existing split level building at 811-817 Lexington Avenue has been used for various manufacturing and commercial purposes since its construction sometime between 1908 and 1924. Former identified tenants include a commercial garage (Palace Garage) which operated between at least 1928 and 1940; a trucking company (Salsberg M Trucking) identified in 1940; a laundry facility (The Sunshine Laundry) identified in 1949; and various commercial/light industrial companies (Kings Electronics Co., Mars Fudge & Fruit Co., Brandied Fruit Co.) between at least 1949 and 1997. According to the 1932 Sanborn map, a gasoline tank was present on the southern portion of the referenced commercial garage. The status of the tank is unknown, however the tank was not depicted in the 1951 through 2007 Sanborn maps. Additionally, the exact type of operations that were conducted at the referenced laundry facility could not be determined. Potential environmental hazards associated with the former commercial garage include the generation of hazardous wastes in the form of spent oils, auto fluids, and solvents.

Additionally, polychlorinated biphenyls (PCB)-containing equipment may have been stored at the referenced electronics company. There are no reported releases, or known soil and/or groundwater contamination associated with the Subject Property. However, due to the lack of waste disposal regulations prior to the 1970s, there is a possibility that the Subject Property subsurface was impacted by improper disposal of hazardous wastes associated with the former identified uses. Additionally, based on the likely generation of spent solvents and oils associated with said automobile maintenance operations, impacts associated with soil vapor intrusion cannot be ruled out. Therefore, the historical uses of the subject building, including the presence of a gasoline tank that was not regulated, constitute a REC.

3. Lot 56 (805-809 Lexington Avenue) was previously improved with a 3-story commercial/industrial building constructed sometime between 1908 and 1924. Former identified uses of the referenced building include metal stamping operations (Harry Poppke Metal Stamping) in 1934; dyeing and finishing operations (Amer Dyeing & Finishing Co.) between at least 1940 and 1960; ribbon dyeing (AGEE Ribbon Dyers Inc.) in 1960; and a manufacturing facility (Virunit Rubber Manufacturing Co.) in 1960. Potential environmental hazards associated with the former identified uses include the generation of hazardous wastes in the form of spent oils and solvents, and wastewater contaminated with heavy metals. The former onsite building was razed sometime between 1966 and 1976 and the lot was converted into the existing asphalt-paved parking lot. However, based on the lack of hazardous waste disposal regulations prior to the 1970s, and the fact that the Subject Lot 56 has not been redeveloped, the former identified uses constitute a REC.
4. According to the historical Sanborn maps and city directories reviewed, the adjacent property to the east, known as 819 Lexington Avenue, was previously occupied by auto repair facilities between at least 1928 and 1934 and between 1982 and 2007. Additionally, metal finishing facilities (COML Finishing Co. and Prime Plating Works Inc.) were identified between 1949 and 1973. As previously stated, potential environmental hazards associated with automobile repair activities include the generation of hazardous wastes in the form of spent oils, automobile fluids, and solvents. Additionally, metal finishing operations typically generate hazardous wastes in the form of spent solvents and contaminated wastewater. This former building has been razed and at the present time this site consists of a vacant lot. There are no reported releases, or known soil and/or groundwater contamination associated with this site, however based on the lack of hazardous waste regulations prior to the 1970s, there is a possibility that the Subject Property was adversely impacted by improper disposal of hazardous waste associated with the former uses of this adjacent eastern site. Additionally, based on the likely generation of spent solvents and oils associated with said automobile repair and metal finishing operations, impacts associated with soil vapor migration from this site into the Subject Property cannot be ruled out. As such, the former identified uses of the adjacent eastern site constitute a REC.
5. Former identified uses associated with the adjacent western property, known as 803 Lexington Avenue, include a battery service facility (Phillip Battery Service) in 1928; an automotive service facility (Baetz Automotive Service) between at least 1928 and 1932, and a metal products facility (Ranbro Wire & Metal Products Corp.) in 1960. As per the 1932 Sanborn map reviewed, a gasoline tank associated with the automotive service facility was present along the southern portion of the building. The status of this gasoline tank is

unknown. Potential environmental hazards associated with the former identified uses include the generation of hazardous wastes in the form of spent oil, auto fluids, and solvents; discharged batteries which may have contained heavy metals such as lead and cadmium; and contaminated wastewaters associated with metal finishing processes. At the present time, this building is occupied by a soup kitchen and social services organization. There are no reported releases, or known soil and/or groundwater contamination associated with this site. However, due to the lack of waste disposal regulations prior to the 1970s, there is a possibility that the Subject Property subsurface was impacted by improper disposal of hazardous materials associated with the former referenced tenants. Additionally, based on the likely generation of spent oils and solvents associated with said automobile repair and metal finishing operations and the fact that this site is located up-gradient of the Subject Property, impacts associated with soil vapor migration from this site into the Subject Property cannot be ruled out. As such, the former identified uses of the adjacent western site constitute a REC.

## 2.0 INTRODUCTION

The following sections discuss the purpose, scope of services, limitations and exceptions of assessment, and the information sources and methodology used in the preparation of this report.

### 2.2 DETAILED SCOPE-OF-SERVICES

The purpose of this study was to evaluate past and existing environmental conditions at the Subject Property, including the storage, release, or disposal of hazardous substances on the property. In accordance with the ASTM Standard E1527-13, ALC has conducted the following scope of services:

- Interviews with ownership, operators and occupants;
- Reviews of historical sources of information;
- Reviews of federal, state, and local government records;
- Visual inspections of the facility and adjoining properties;
- Commonly known or reasonably ascertainable information;
- Degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination;
- Assessments of any specialized knowledge related to environmental concerns at the Subject Property;
- Review of geologic and hydrogeological literature pertaining to the site vicinity. The purpose of this review was to gain a basic understanding of subsurface conditions at the site;
- Evaluation of any potential sources of off-site contamination within a reasonable distance which may have impacted the site;
- Evaluation of past treatment, recycling, or disposal of hazardous materials on the site. An environmental records search of local, state, and federal environmental files was conducted. A copy of the records search conducted by Environmental Data Resources, Inc. (EDR) is included as Appendix 15.4 of this report;
- An assessment of the relationship of the purchase price to the fair market value of the property, if the property was not contaminated; and
- Recommendations for further study or work at the subject site will be made should potential problem areas be uncovered that could negatively impact property value. The Client will be made aware of these conditions as soon as possible if they should arise.

### 2.3 SIGNIFICANT ASSUMPTIONS

This study is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with the Subject Property, within reasonable limits of time and cost. It is assumed that the user has provided ALC with any specialized knowledge or experience that is material to recognized environmental conditions in connection with the property, including the reason why the property may have a significantly lower purchase price than comparable properties, if applicable. In general, groundwater flow direction



has been determined based on topography in the vicinity of the Subject Property, i.e. the assumption that shallow groundwater flow will follow topography, or on other available resources. No site-specific field measurements of groundwater flow direction (e.g. installation of groundwater monitoring wells) have been performed.

Based on this interpretation, ALC has reviewed regulatory agency information for sites that are located in a presumed up-gradient direction, which based on proximity and knowledge of potential contaminant fate and transport, may present a potential to impact the Subject Property.

#### **2.4 LIMITATIONS AND EXCEPTIONS**

This assessment meets the requirements of the ASTM Standard E1527-13. The following limitations should be noted:

- Results of this investigation are valid as of the dates on which the investigation was performed;
- A visual inspection for the identification of suspect asbestos containing materials and mold growth was performed only in readily accessible areas of the subject building. No samples were collected as part of this assessment; and
- The report has been prepared in accordance with generally accepted environmental methodologies referred to in ASTM E1527-13, and contains all of the limitations inherent in these methodologies. No other warranties, expressed or implied, are made as to the professional services provided under the terms of our contract and included in this report.

#### **2.5 SPECIAL TERMS AND CONDITIONS**

There are no special terms and conditions for this assessment. ALC's standard terms and conditions are described in Appendix 15.6.

#### **2.1 PURPOSE**

The purpose of a Phase I ESA is to evaluate a particular property for contamination that might have arisen from past property uses and assess whether any of these uses might have resulted in property contamination.

#### **2.6 USER RELIANCE**

This Phase I ESA report ("the Report") has been prepared for the benefit of and addressed to IMPACCT Brooklyn, such other persons as may be designated by IMPACCT Brooklyn and their respective successors and assigns, employees and affiliates, and counsel and consultants. The report speaks only as of its date in the absence of a specific written update of the Report.

### 3.0 SITE DESCRIPTION

This section discusses the site location and description, site vicinity characteristics, description of structures, roads, and other improvements, physical setting, and current uses of the site and adjacent sites.

#### 3.1 LOCATION AND LEGAL DESCRIPTION

**Legal Description:** Two parcels of land located in the State of New York, within Kings County, and known as 811-817 Lexington Avenue, Brooklyn, New York 11221. The Subject Property is identified by the NYC Department of Finance as Block 1622 and Lots 51 and 56. Based on the information reviewed at the NYC Department of Finance, no house number has been assigned to Lot 56. However, historical Sanborn maps reviewed indicate that Lot 56 was previously addressed as 805-809 Lexington Avenue. A site map is included in Appendix 15.1.

#### 3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

As per the NYC Department of City Planning, the Subject Property is zoned R6B: General Residence District. The general vicinity of the property consists of multi-family residential buildings, vacant lots, a church, a soup kitchen and social services organization, and an addiction treatment center. No heavy manufacturing or industrial land usage was observed in immediate proximity to the Subject Property.

#### 3.3 FORMER USE OF THE PROPERTY

According to the historical sources reviewed, the Subject Property initially consisted of seven contiguous lots, addressed 805-817 Lexington Avenue. Two of the lots were improved with a 2-story dwelling and stables, constructed prior to 1888. The referenced lots were subsequently merged and converted into two adjacent parcels identified as Lots 51 and 56. Prior to the current improvements, the Subject Property (Lots 51 and 56) was occupied by an electro platter and iron works facility, which was razed sometime between 1908 and 1924.

The existing split level building in Lot 51 (811-817 Lexington Avenue), was constructed sometime between 1908 and 1924, and was originally utilized as a commercial garage identified as 'Palace Garage', which operated between at least 1928 and 1940. Former identified tenants also include a trucking company (Salsberg M Trucking) in 1940, a laundry facility (The Sunshine Laundry) in 1949, and various commercial/light industrial companies (Kings Electronics Co., Mars Fudge & Fruit Co., and Brandied Fruit Co.) between 1949 and 1997. The subject building has been vacant since circa 1997.

Lot 56 (805-809 Lexington Avenue) was previously improved with a 3-story industrial building constructed sometime between 1908 and 1924. Former noteworthy tenants include a metal stamping facility in 1934; rayon dyeing and finishing operations (Amer Dyeing & Finishing Co.) between at least 1940 and 1960; manufacturing purposes (Virunit Rubber Manufacturing Co.) in 1960, and ribbon dyeing (AGEE Ribbon Dyers Inc.) in 1960. This building was demolished sometime between 1966 and 1976, and the lot was converted into the existing outdoor parking lot.

No other prior uses were identified.

### **3.4 CURRENT USE OF THE PROPERTY**

The Subject Property consists of a vacant industrial building and an outdoor asphalt-paved parking lot.

### **3.5 DESCRIPTIONS OF STRUCTURES, ROADS, OTHER IMPROVEMENTS ON THE SITE**

The Subject Property is comprised of a split-level 1-and 2-story vacant industrial building with a basement and an outdoor parking lot, located on two adjacent parcels totaling approximately 0.35-acres in size. Below is a description of the subject lots and current improvements:

#### Lot 51

The subject lot is improved with a split-level 1-and 2-story industrial building with a basement, consisting of approximately 11,000 square feet. The building features three entrances along the front façade, including an overhead door. Access to the second floor is via two staircases located on the southeastern and southwestern corners of the building. An out-of-use elevator shaft was observed on the eastern side of the subject building. As per the site contact, the subject building was formerly serviced by a cable-drawn freight elevator which was reportedly removed in 2014. At the time of the site visit, the elevator pit was filled with water. Access to the basement is via hatch double doors located on the sidewalk of Lexington Avenue. At the time of the site visit the hatch doors were locked and bolted, and therefore ALC was unable to inspect the basement. The lot also features a small concrete-paved backyard.

According to the historical sources reviewed, the subject building was constructed sometime between 1908 and 1924. The structural improvements consist of a concrete foundation, with brick facades, and two flat roofs. The interior finishes consist mainly of plaster and sheetrock walls, exposed painted concrete, and concrete flooring.

At the time of the site visit, no cooling or heating systems were observed at the subject building, with the exception of ceiling-mounted electric heaters observed on the second floor.

#### Lot 56

The subject lot consists of an at-grade asphalt paved parking lot, located to the west of the subject building. The parking lot is accessible via a gate leading to Lexington Avenue, and is secured by 3-rail metal fencing on the northern, eastern, and southern sides. A wooden security shed is located on the southeast corner of the parking lot.

Consolidated Edison provides electricity and natural gas to the Subject Property area. Domestic water is supplied by the municipal authority and overseen by the Department of Environmental Protection (DEP). Sanitary sewer services are tied into the municipal sewer system. No water wells were observed on or in the immediate vicinity of the Subject Property.

### **3.6 CURRENT USES OF THE ADJOINING PROPERTIES**

During the onsite reconnaissance, observations were made of the adjoining properties from the

Subject Property. These observations were made to identify recognized environmental conditions that have the potential for impacting the Subject Property. The following is a list of adjoining properties and a summary of the observations made:

**North**

The Subject Property is bounded to the north by a four-story multi-family residential building known as 984-988 Greene Avenue, two 2-story residential buildings known as 976 and 980 Greene Avenue, and a community garden (Garden of Angels) addressed 978 Greene Avenue. The topography of the parcels to the north is up-gradient, and at a slightly higher elevation than the Subject Property.

**East**

The Subject Property is bounded to the east by a vacant lot known as 819 Lexington Avenue. The topography of the property to the east is cross-gradient and at a slightly lower elevation than the Subject Property.

**South**

The Subject Property is bounded to the immediate south by Lexington Avenue, followed by a church identified as Calvary First Nigerian Seventh Day Adventist Church (778 Lexington Avenue); a vacant lot addressed 770 Lexington Avenue; and a six-story public facility occupied by the Kingsboro Addiction Treatment Center (754 Lexington Avenue). The topography of the parcels to the south is cross-to down-gradient, and appears to be at the same approximate elevation as the Subject Property.

**West**

The Subject Property is bounded to the west by a 2-story public facility building occupied by St. John's Bread & Life (803 Lexington Avenue). The topography of the properties to the west is cross-gradient, and appears to be at the same approximate elevation as the Subject Property.

The current adjoining property uses do not appear to pose an environmental risk to the Subject Property.

## 4.0 USER PROVIDED INFORMATION

The following information is based upon information provided by the client. The type of information provided can include title records, environmental liens, specialized knowledge, reasons for performing the Phase I ESA, and prior environmental reports.

### 4.1 TITLE RECORDS

Below is a summary of the records obtained from the NYC Department of Finance (a copy of the most recent deed is provided in Appendix 15.5):

Lot	Name of Property Owner	Year Purchased
Lot 51	Northeastern Conference Corporation of Seventh-Day	November 1997
	The City of New York	October 1977
	Mars Fudge & Fruit Co. Inc.	June 1972
	Roko Realty Corporation	-
Lot 56	Northeastern Conference Corporation of Seventh-Day	November 1997
	Mars Fudge & Fruit Co. Inc.	July 1972
	The City of New York	July 1971
	Richard Lewisohn	-

### 4.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

The Client did not report the existence of any environmental liens or use limitations for the Subject Property.

### 4.3 SPECIALIZED KNOWLEDGE

The user of this ESA report is not aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the Subject Property and/or have been filed or recorded in a registry under local, tribal, state, or federal law.

### 4.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION (40 CFR 312.30)

The Client did not report any particular concerns related to environmental issues at the Subject Property.

### 4.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

No property valuation reduction relating to environmental concerns was reported by the Client.

### 4.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

During the site reconnaissance, ALC was accompanied by Mr. Lorne Norton, Housing Development Project Manager at IMPACCT Brooklyn, who provided a tour of the Subject Property. Mr. Norton has been associated with the Subject Property for approximately three months. ALC was also accompanied by Elder David Ajayi and Elder M F Ojo of Calvary First

Nigerian Seventh Day Adventist Church. Elder Ajayi and Elder Ojo have been associated with the Subject Property for more than ten years.

Mr. Norton stated that the subject building has been vacant for last twenty years. According to the Pre-Survey Questionnaire, completed by Mr. Norton, the last occupant was a fruit filling and fudge factory known as Mars Fudge & Fruit Company, Incorporated. Mr. Norton is not aware of any reported spills, or underground storage tanks associated with the Subject Property.

Elder Ajayi and Elder Ojo informed ALC that the Subject Property was used for industrial purposes in the past and the subject building had been vacant for almost twenty years. They are not aware of any reported spills, or underground storage tanks associated with the Subject Property.

#### **4.7 REASON FOR PERFORMING THE PHASE I**

This Phase I ESA is being performed as a part of the due diligence process for the Subject Property. The preparation of the report was requested by the Client.

#### **4.8 DEGREE OF OBVIOUSNESS (40 CFR 312.31)**

The user of this Phase I ESA report has provided all applicable documentation regarding the ongoing investigation of contamination at the Subject Property.

#### **4.9 PREVIOUS REPORTS**

No prior Phase I ESA reports were reviewed during the preparation of this report.

## 5.0 RECORDS REVIEW

### 5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

ALC conducted a review of the regulatory status of the Subject Property and surrounding properties within a 1-mile radius as it pertains to regulated activities involving the use of hazardous chemicals; the generation of hazardous waste; the treatment, storage, or disposal of hazardous waste; or the release of regulated substances. ALC utilized EDR to conduct the appropriate searches of federal and state sites identified within the radii specified by ASTM E1527-13.

The following is a summary of the databases reviewed for this assessment. The regulatory database report is provided in Appendix 15.4:

	Search Radius	Site Listed	Adjacent	0-1/8 miles	1/8-1/4 miles	1/4-1/2 miles	1/2-1 miles
<b>Federal Databases</b>							
NPL	1 mile	No	0	0	0	0	0
Delisted NPL	1 mile	No	0	0	0	0	0
SEMS	1/2 mile	No	0	0	0	0	
SEMS-ARCHIVE	1/2 mile	No	0	0	0	0	
RCRA CORRACTS	1 mile	No	0	0	0	0	0
RCRA TSDF	1 mile	No	0	0	0	0	
RCRA LQG	1/4 mile	No	0	2	4		
RCRA SQG	1/4 mile	No	1	1	0		
RCRA CESQG	1/4 mile	No	0	0	1		
RCRA NonGen/NLR	1/4 mile	Yes	3	31	81		
ERNS	Site	No					
FINDS	Site	No					
<b>State Databases</b>							
UST	1/4 mile	Yes	2	4	6		
AST	1/4 mile	No	2	3	12		
NY Spills	1/8 mile	No	0	14			
NY LTANKS	1/2 mile	No	0	1	7	22	
NY ENG CONTROLS	1/2 mile	No	0	0	1	0	
NY INST CONTROLS	1/2 mile	No	0	0	1	0	
NY E Designation	1/8 mile	No	0	6			
SHWS	1 mile	No	0	0	0	0	1
VCP	1/2 mile	No	0	0	0	0	
NY Brownfields	1/2 mile	No	0	3	1	1	
SWF/LF	1/2 mile	No	0	0	0	0	
DRYCLEANERS	1/4 mile	No	0	1	2		
NY MANIFEST	1/4 mile	No	2	39	100		
NJ MANIFEST	1/4 mile	No	2	11	30		
RI MANIFEST	1/4 mile	No	0	1	0		

	Search Radius	Site Listed	Adjacent	0-1/8 miles	1/8-1/4 miles	1/4-1/2 miles	1/2-1 miles
<b>EDR Property Records</b>							
EDR MGP	1 mile	No	0	0	0	0	0
Hist Auto Stat	1/4 mile	No	0	1			
Hist Cleaners	1/4 mile	Yes	0	1			

- **The Subject Property is listed in the following databases searched by the EDR:**

**FIRST NIGERIAN SEVENTH-DAY ADVENTIST CHURCH**

**811 Lexington Avenue**

**Distance: Target Property**

**Databases listed on: NY UST (Underground Storage Tank)**

The Subject Property is listed in the NY UST database in regards to an active 1,500-gallon No. 2 fuel oil tank. As per the database, the tank is permitted under the NYSDEC PBS No. 2-333344, however the tank registration certificate expired on November 26, 2008. According to the database, the referenced tank system was tested for tightness on June 1, 1995. There are no reported releases associated with this tank. Based on the information obtained from the NYSDEC online Bulk Storage Database, the 1,500-gallon tank is located underground, in a vault with no access for inspections. During the site visit, no fill ports or vent pipes associated with the tank were identified in the visually-accessible areas of the Subject Property. No information regarding the status and location of the referenced UST was provided by property management/ownership. Therefore, the lack of information pertaining to the referenced 1,500-gallon No. 2 fuel oil UST (i.e. status and location) constitutes a REC.

A request for public records pertaining to any fuel oil tanks associated with the Subject Property was submitted to the New York City Fire Department (FDNY). A response to the request submitted was not received in time for inclusion in this report.

**CON EDISON**

**805 Lexington Avenue**

**Distance: Target Property**

**Databases listed on: RCRA-NonGen (RCRA-Non-Generator)**

The Subject Property is listed in the RCRA-NonGen (Non-Generator) database under Facility ID NYP004817458. Further review of the database indicates that this listing is associated with Consolidated Edison (the utility company). There are no reported violations associated with the Subject Property. Additionally, at the present time, RCRA-NonGen facilities do not generate any hazardous waste. As such, no further action or investigation is warranted in regards to this listing.

**5.1.1 FEDERAL RECORDS**

**National Priority List (NPL)**

The NPL is the Environmental Protection Agency’s (EPA) database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.



- No NPL sites were identified within a 1-mile radius of the Subject Property.

### **Superfund Enterprise Management System (SEMS)**

SEMS is a compilation of hazardous wastes sites, potentially hazardous wastes sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), renamed to SEMS by the EPA in 2015. In addition, SEMS lists sites which are either proposed to or on the NPL and sites which are in the screening and assessment phase for the possible inclusion on the NPL.

- No SEMS sites were identified within a 0.5-mile radius of the Subject Property.

### **Resource Conservation and Recovery Act (RCRA)**

The RCRA database is compiled by the EPA and contains notification, permitting, compliance, and corrective action data on facilities that generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Facilities that receive hazardous waste from generators and other facilities for treatment, storage, or disposal of waste are known as TSDFs.

- One of the adjacent properties to the south, known as 'Kingsboro Addiction' and addressed 754 Lexington Avenue, is listed in the RCRA-SQG (Small Quantity Generators) database. Wastes associated with this property include: ignitable and corrosive wastes; mercury; M-cresol; 1,2-benzenediol, 4-[1-hydroxy-2-(methylamino) ethyl]; epinephrine; nicotine, & salts, formic acid, and selenium sulfide. At the present time, this site is occupied by an addiction treatment center, and therefore ALC presumes that the referenced wastes are associated with a former tenant. Additionally, this site is listed twice in the RCRA-NonGen database, however the listings are associated with Consolidated Edison (the utility company). ALC notes that at the present time, RCRA-NonGen facilities do not generate any hazardous waste. There are no reported violations associated with this site. Additionally, this site is located across Lexington Avenue and down-gradient of the Subject Property. As such, no further action or investigation is warranted in regards to the referenced listings.
- One of the adjacent properties to the south, known as 'Metal Colors Corp' and addressed 770 Lexington Avenue, is listed in the RCRA-NonGen database. There are no reported violations associated with these listings. Additionally, at the present time, RCRA-NonGen facilities do not generate any hazardous waste. As such, no further action or investigation is warranted in regards to this listing.
- None of the remaining adjacent properties are listed, however the search identified 6 RCRA-LQG (Large Quantity Generators); 1 RCRA-SQG; 1 RCRA-CESQG (Conditionally Exempt Small Quantity Generators); and 111 RCRA-NonGen sites within a 0.25 mile radius of the Subject Property. There are no reported violations associated with the properties located in the immediate vicinity of the Subject Property (within a 0.125-mile radius) with the exception of a RCRA-SQG site located at 19 Patchen Avenue which received a written informal notice of violation dated July 8, 2016. Further review of the regulatory database indicates that the site achieved compliance during an on-site compliance evaluation inspection on August 11, 2016. No further action or investigation is recommended.

## **CORRACTS**

CORRACTS is a list of handlers with RCRA Corrective Action Activity.

- No CORRACTS sites were identified within a 1-mile radius of the Subject Property.

### **5.1.2 STATE RECORDS**

#### **Underground Storage Tanks (UST)**

The UST database is compiled by the Department of Environmental Conservation (DEC), and contains an inventory of facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

- One of the adjacent properties to the south, known as 'Metal Colors Corp.' and addressed 770 Lexington Avenue, is listed in regards to an inactive/closed 1,500-gallon No. 2 fuel oil UST, which was permitted under the NYSDEC PBS No. 2-091103. As per the database, the tank was closed on March 28, 2001. There are no reported releases associated with this tank. Based on the lack of reported releases and the down-gradient location of this site, this listing is not considered to be a REC.
- One of the adjacent properties to the south, known as 'Kingsboro Addiction' and addressed 754 Lexington Avenue, is listed in regards to a closed 275-gallon No. 2 fuel oil UST. This tank was permitted under the NYSDEC PBS No. 2-236969 (expiration date: July 20, 2022). According to the database, this tank was closed on March 1991. There are no reported releases associated with this tank. Based on the lack of reported releases and the down-gradient location of this site, this listing is not considered to be a REC.
- The search did not identify any additional registered USTs associated with the adjacent properties. No further action or investigation is required.

#### **Aboveground Storage Tanks (AST)**

The AST database is compiled by the NYSDEC and contains an inventory of registered aboveground storage tanks. The AST database lists facilities that have aboveground petroleum storage capacities in excess of 1,100-gallons and less than 400,000 gallons.

- One of the adjacent properties to the south, known as 'Metal Colors Corp.' and addressed 770 Lexington Avenue, is listed in regards to one active 1,101-gallon No. 2 fuel oil AST. This tank was reportedly installed in 1950 and is permitted under the NYSDEC PBS No. 2-479810 (expiration date: February 3, 2000). There are no reported releases associated with this tank. Based on the lack of reported releases, the fact that the tank is located aboveground and visually accessible, and the down-gradient location of this site, this listing is not considered to be a REC.
- One of the adjacent properties to the south, known as 'Kingsboro Addiction' and addressed 754 Lexington Avenue, is listed in regards to one active 8,000-gallon No. 2 fuel oil AST and one active 275-gallon No. 2 fuel oil AST. Both tanks were reportedly installed in 1993 and are permitted under the NYSDEC PBS No. 2-236969 (expiration date: July 20, 2022). There are no reported releases associated with these tanks. Based on the lack of reported releases, the fact that the tanks are located aboveground and visually accessible, and the down-gradient location, these tanks are not anticipated to have impacted the Subject Property.

- The search did not identify any additional registered ASTs associated with the adjacent properties.

### **Leaking Storage Tanks (LTANKS)**

The LTANKS database is compiled by the NYSDEC and contains an inventory of leaking aboveground or underground tanks reported since April 1, 1986. The causes of the incidents are tank test failures, tank failure or overflow.

- None of the adjacent properties are listed, however, the search identified 30 LTANKS sites within a 0.5-mile radius of the Subject Property. Further review indicates that 29 of the 30 sites have been granted a 'case closed' status. The regulatory agency awards a 'case closed' status only when contamination, if any, has been investigated and/or remediated in accordance with currently accepted regulatory standards.
- The remaining open site, known as 'Stuyvesant Gardens' and addressed 875 Gates Avenue, is located approximately 0.18 miles to the southwest and cross-gradient of the Subject Property. This site is listed in regards to a tank test failure reported on June 11, 1996, associated with an onsite No. 2 fuel oil tank. As per the database, a Groundwater and Streamflow Information Program (GSIP) for investigation at this site was approved in 2016. As per the information provided by the New York City Housing Authority (NYCHA), a contractor was assigned to perform the site investigation work and the remedial work was scheduled to start in the summer of 2017. As of June 2017, no additional work or remedial activities were conducted at the site. However, based on the spatial distance and topographic relation, no impacts to the Subject Property are anticipated from this site.
- The remaining listed sites are located over 450 feet away. Based on a combination of factors such as regulatory status, information reviewed, topographic relations and spatial distance, no impacts to the Subject Property are anticipated from the remaining listed LTANKS sites.

### **Spills Information Database (NY Spills)**

The NY Spills database contains data regarding chemical and petroleum spill incidents reported to the NYSDEC. It includes spills that took place from April 1, 1986 to present.

- The search did not identify any NY Spills sites associated with the adjacent properties. However, according to the regulatory database, there are 14 NY Spills sites within a 0.125-mile radius of the Subject Property. Further review indicates that all of the 14 listed sites have been granted a 'case closed' status.
- The nearest closed NY Spills site, located at the intersection of Patchen Avenue and Greene Avenue, is located approximately 250 feet to the northeast and cross-gradient of the Subject Property. This site is listed on the database in regards to two spill incidents (Spill No. 9905403 and 9905402).
  - The first incident associated with this site Spill No. 9905403) was reported on August 4, 1999 (Spill No. 9905403) in regards to approximately 100 gallons of unknown fuel oil that was spilled onto the ground. As per the database, corrective action was taken by the responsible party and the case was closed by the NYSDEC on December 21, 1999.
  - Spill No. 9905402 was reported on August 4, 1999, and pertains to approximately 100 gallons of no. 2 fuel oil that spilled from the open valve of the onsite tank. As per the database, the product spilled over the roadway and no sewers were affected. According

to the database, the valve was closed and the spill was contained by the Fire Department. The spill was closed by NYSDEC on December 21, 1999.

Based on the topographic gradient location, corrective actions taken, and regulatory closure, no impacts to the Subject Property are anticipated from this spill incident.

- The next closed NY Spills site, known as 964 Greene Avenue, is located approximately 270 feet to the northwest and up-gradient of the Subject Property. This site is listed in regards to equipment failure, reported on December 21, 2004 (Spill No. 0410481), associated with an onsite No. 2 fuel oil tank. As per the database, the tank spout was broken and product leaked into the basement. Based on the information reviewed, the spill was cleaned up and the oil tank was replaced. This case was closed by the NYSDEC on November 3, 2005. Based on the corrective actions taken and regulatory closure, no impacts to the Subject Property are anticipated from this spill incident.
- The next closed NY Spills site, known as 962 Greene Avenue, is located approximately 275 feet to the northwest and up-gradient of the Subject Property. This site is listed in regards to a spill reported on December 21, 1994 (Spill No. 9412668). As per the database, approximately one gallon No. 2 fuel oil was spilled from the vent pipe of an onsite tank. As per the database, speedy-dry was applied and the spill was cleaned up. The spill was closed on the same day it was reported. Based on the *de minimis* quantity material spilled, corrective actions taken and regulatory closure, no impacts to the Subject Property are anticipated from this spill incident.
- The remaining closed NY Spills sites are located in excess of 450 feet in relation to the Subject Property. Based on a combination of factors such as information reviewed, topographic relations and distances, no impacts to the Subject Property are anticipated from the remaining listed NY Spills sites.

#### **Inactive Hazardous Waste Disposal Sites in New York State (SHWS)**

The SHWS program, also referred to as the State Superfund Program, is the cleanup program for inactive hazardous waste and now includes hazardous substances sites. These sites may or may not already be listed on the federal CERCLIS list.

- The search identified one NY SHWS site within a 1 mile radius of the Subject Property. The listed site, addressed 192 Ralph Avenue, is located approximately 0.57 miles to the southeast and down-gradient of the Subject Property. Based on the distance and topographic relation, no impacts to the Subject Property are anticipated from the listed sites

#### **Engineering Controls (ENG CONTROLS) and Institutional Controls (INST CONTROLS)**

Environmental Remediation sites that have engineering and institutional controls in place.

- The search identified one Engineering Controls and Institutional Controls site within a 0.5 mile radius of the Subject Property. The listed site, known as 834 Lexington Avenue is located approximately 0.16 miles to the southeast and down-gradient of the Subject Property. As per the database, remediation at the site is complete and all non-native historic fill was removed during the remedial activities. Prior to remediation, the primary contaminants of concern consisted of metals, polycyclic aromatic hydrocarbons (PAHs) in soils attributed to historic fill, and volatile organic compounds (VOCs) in groundwater and soil vapor. Remedial activities successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is managed under a site management

plan. Based on the distance, down-gradient location, remedial measures completed, and the fact that engineering and institutional control are in place, no impacts to the Subject Property are anticipated from this site.

## **BROWNFIELDS**

A Brownfields site is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

- None of the adjacent properties are listed, however the search identified 5 Brownfield sites within a 0.5-mile radius of the Subject Property.
- The nearest listed site, known as 19 Patchen Avenue, is located approximately 350 feet to the northeast and cross-gradient of the Subject Property. As per the database, the primary contaminants of concern at this site consist of perchloroethylene (PCE), trichloroethene (TCE), metals and semi volatile organic compounds associated with historic fill materials in onsite soil, groundwater, and soil vapor. Based on the information reviewed, additional environmental sampling was recommended to determine whether or not off-site soil vapor migration is a concern. Groundwater flow direction beneath the site was determined to be towards the northwest (away from the Subject Property), therefore exposures to contaminated groundwater associated with this site are not anticipated. Direct exposures to potentially contaminated soils associated with this site are also not anticipated due to the distance from the Subject Property. Impacts associated with soil vapor migration do not present a concern since this site is located beyond the critical distance of 100 feet for cross-gradient sites, as specified by ASTM International Practice 2600-10. As such no further action or investigation is recommended regarding this listing.
- The next listed site, known as 853 Lexington Avenue is located approximately 460 feet to the east and cross-gradient of the Subject Property. As per the database, the primary contaminants of concern at this site consist of PCE, TCE, polycyclic aromatic hydrocarbons (PAH), and metals in onsite soil, groundwater, and soil vapor. Groundwater flow direction beneath the site was determined to be towards the west-northwest, therefore exposures to contaminated groundwater associated with this site are not anticipated. Direct exposures to potentially contaminated soils associated with this site are not anticipated due to the distance from the Subject Property. Additionally, impacts associated with soil vapor migration are not anticipated since this site is located beyond the critical distance of 100 feet for cross-gradient sites, as specified by ASTM International Practice 2600-10. As such no further action or investigation is recommended regarding this listing.
- The remaining listed sites are located further than 500 feet away. Based on the spatial distances, no impacts to the Subject Property are anticipated from the listed sites.

## **DRY CLEANERS**

A listing of registered dry-cleaning facilities.

- The search did not identify any registered dry cleaners located adjacent to the Subject Property. However, three registered dry cleaners were identified within a 0.25-mile radius of the Subject Property.
- The listed site, identified as Rodriguez Dry Cleaners, is located at 19 Patchen Avenue, approximately 350 feet to the northeast and cross-gradient of the Subject Property. As per the

database, this facility begun operating in 2001, and was last inspected in April 2007. The site is listed on the Brownfields database which was discussed above.

- The remaining listed sites are located further than 0.1 miles away from the Subject Property and cross-gradient of the Subject Property. There are no reported releases or violations associated with these sites. Based on the lack of reported releases or violations, and distances, no impacts to the Subject Property are anticipated from the listed sites.

## **E DESIGNATION**

The E (Environmental) designation ensures that sampling and remediation takes place at designated properties, in order to avoid any significant impacts related to hazardous materials at these locations. Prior to issuance of a permit by the Department of Buildings, the property owners are required to conduct testing and remediation where appropriate. The (E) designation also includes a mandatory construction-related health and safety plan which must be approved by the NYCDEP.

- The search did not identify any E-DESIGNATION sites located adjacent to the Subject Property. However, 6 E-DESIGNATION sites were identified within a 0.125-mile radius of the Subject Property.
- The nearest listed site, known as 843 Lexington Avenue (Tax Block 1623 and Lot 73), is located approximately 350 feet to the east and cross-gradient of the Subject Property. As per the database, this site was assigned Air Quality-HVAC Fuel Limited to Natural Gas, Window Wall Attenuation & Alternate Ventilation, and Hazardous Materials\* Phase I and Phase II Testing Protocol E Designations in October 2012. The referenced E Designations point to the presence of potential subsurface impacts, as well as indoor air quality impacts at this site. ALC presumes that the referenced E Designations are associated with historical uses of the site. Based on the topographic location and spatial distances no impacts to the Subject Property are anticipated from this site.
- The next listed site, known as 853 Lexington Avenue (Tax Block 1623 and Lot 70), is located approximately 358 feet to the east and cross-gradient of the Subject Property. As per the database, this site was assigned Air Quality-HVAC Fuel Limited to Natural Gas, Window Wall Attenuation & Alternate Ventilation, and Hazardous Materials\* Phase I and Phase II Testing Protocol E Designations in October 2012. The referenced E Designations also point to the presence of potential subsurface impacts, as well as indoor air quality impacts at this site. ALC presumes that the referenced E Designations are associated with historical uses of the site. Based on the topographic location and spatial distances no impacts to the Subject Property are anticipated from this site.
- The remaining listed sites are located further than 400 feet away from the Subject Property. There are no reported releases or violations associated with these sites. Based on the lack of reported releases or violations, spatial distances no impacts to the Subject Property are anticipated from these sites.

## **Facility and Manifest Data (NY, NJ & RI MANIFEST)**

The manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

- One of the adjacent properties to the south, located at 770 Lexington Avenue, is listed in the NY MANIFEST database. The listing pertains to non-listed corrosive wastes and heavy metal wastes (arsenic, chromium and arsenic) that were removed from the site in 1996. However, this site was verified to be a non-generator in 2006. There are no reported violations. Based on the lack of reported violations, presence of a roadway between the site and the Subject Property, and down-gradient location, no further action or investigation is warranted.
- One of the adjacent properties to the south, located at 754 Lexington Avenue, is listed twice in the NY and NJ MANIFEST database. The listings are associated with Consolidated Edison activities (the utility company) and pertain to lead waste that was removed from the site in 2015. Additionally, this site is cross-listed in the RCRA-NonGen database with no reported violations. Based on the lack of reported violations, no further action or investigation is warranted.
- None of the remaining adjacent properties are listed. Based on the nature of the MANIFEST database, which is not necessarily indicative of environmental concern but rather the types of activities occurring, at the present time, the listed NY, RI and NJ MANIFEST sites are not considered to represent an environmental concern.

### 5.1.3 EDR PROPERTY RECORDS

#### **US Historical Auto Stations (US Hist Auto Stat)**

A listing of potential gas station/filling station/service station sites that were compiled by EDR through a search of national business directories. This database falls within a category of information EDR classifies as “High Risk Historical Records”.

- None of the adjacent properties are listed, however the search identified one historical auto station within a 0.125-mile radius of the Subject Property. The listed site, known as 1096 Lafayette Avenue, is located approximately 0.12 miles to the north and up-gradient of the Subject Property. As per the database, ‘Patchen Service Station Inc.’, described as a gasoline service station, operated at this site between 1969 and 1973. However, as per online records, it appears that this site has been redeveloped as a multi-story residential building. The site is not cross-listed in any of the databases indicative of a spill or release. Based on the lack of reported releases and spatial distance, no impacts to the Subject Property are anticipated from this site.

#### **US Historical Cleaners (US Hist Cleaners)**

A listing of potential dry cleaner sites that were compiled by EDR through a search of national business directories. This database falls within a category of information EDR classifies as “High Risk Historical Records”.

- None of the adjacent properties were listed, however the search identified one historical dry-cleaning facility within a 0.125-mile radius of the Subject Property. The listed site, identified as Lazardos Cleaners, located at 19 Patchen Avenue, approximately 350 feet to the northeast and cross-gradient of the Subject Property. As per the database, ‘Lazardos Cleaners’ operated at this site between 1995 and 2003 and ‘Rodriguez Dry Cleaners’ operated at this site between 2008 and 2014. The site is listed in the Brownfields and Drycleaners databases, which were discussed in the referenced sections.

## 5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

1. ALC reviewed available records maintained by the NYSDEC for information concerning the Subject Property. The records review did not identify any information relative to the Subject Property on the state databases related to spill incidents or site remediation. However, records pertaining to an active fuel oil UST associated with the Subject Property were located. The fuel oil tank is further discussed in section 6.3.4 of the report.
2. NYC Department of Buildings records were reviewed to determine whether there were any violations or other conditions that would pose an environmental risk to the Subject Property. The following pertinent records were located:
  - An oil burner application dated 1960
  - Elevator permits dated 1914 and 1932
  - A freight elevator was reportedly removed from the subject building in September 2014.
  - The subject building is serviced by two commercial high-pressure boilers and the most recent inspection was conducted on March 22, 2008, however, no information pertaining to the inspection was obtained. The boilers were reportedly not accessible during the 2004 and 2006 inspections.

Copies of the documents reviewed are provided in Appendix 15.5.

3. ALC reviewed the New York City Department of Environmental Protection Citywide Planning for Zoning and E-designation site list. The Subject Property is not listed as having any E-designations. A zoning map is provided in Appendix 15.1.
4. ALC reviewed online records maintained by the NYC Office of Environmental Remediation-Searchable Property Environmental E-Database (SPEED). No Voluntary Cleanup Program/Brownfields or hazardous waste sites were identified in the immediate vicinity of the Subject Property.

## 5.3 PHYSICAL SETTING SOURCE

ALC reviewed the USGS Brooklyn, NY 15 Minute Series topographic maps dated 1897 through 1900; and USGS Brooklyn, NY 7.5 Minute Series topographic maps dated 1947 through 2013 to determine physical setting information associated with the Subject Property. Representative copies of the topographic maps reviewed are included in Appendix 15.3.

## 5.4 HISTORICAL USE INFORMATION ON THE PROPERTY AND ADJOINING PROPERTIES

Historical use information is based on a review of historical aerial photographs (1951, 1954, 1961, 1966, 1976, 1980, 1984, 1991, 1994, 2006, 2009 and 2011); Sanborn maps (1888, 1908, 1932, 1951, 1962, 1965, 1976, 1978, 1979, 1980 (poor condition), 1982, 1987, 1988, 1991, 1992, 1993, 1995, 2001, 2002, 2003, 2004, 2005, 2006, and 2007); historical topographic maps (1897, 1898, 1900, 1947, 1956, 1966, 1979, 1997, and 2013) and city directories. The historical data is provided in Appendix 15.3.



### 5.4.1 AERIAL PHOTOGRAPHS

#### 1924-1966

- **Property:** The eastern portion of the Subject Property (Lot 51) is improved with the existing industrial building. The western portion of the Subject Property (Lot 56) is improved with a rectangular-shaped apparent commercial/industrial building.
- **Offsite:** The Subject Property is bounded to the north by the existing multi-family apartment building and three rectangular-shaped apparent residential buildings. The Subject Property is bounded to the east by an apparent commercial building. Lexington Avenue is depicted to the immediate south, followed by three apparent commercial buildings. An apparent industrial building is depicted to the west.

#### 1976

The descriptions of the Subject Property and adjacent properties cannot be provided due to poor resolutions of the 1976 aerial photograph.

#### 1980-1994

- **Property:** The Subject Property is improved with the existing subject building (Lot 51) and an unimproved lot to the west of the subject building (Lot 56).
- **Offsite:** The Subject Property is bounded to the north by the existing apartment building, two apparent residential buildings, and a vacant lot. An apparent commercial building is depicted to the east. Lexington Avenue is depicted to the immediate south, followed by three apparent commercial buildings. An apparent industrial building is depicted to the west.

#### 2006-2011

- **Property:** The Subject Property is improved with the existing subject building (Lot 51) and an unimproved lot to the west of the subject building (Lot 56).
- **Offsite:** The Subject Property is bounded to the north by the existing apartment building, two rectangular-shaped apparent residential buildings and a vacant lot. An apparent commercial building is depicted to the east. Lexington Avenue is depicted to the immediate south, followed by the current improvements and a vacant lot. An apparent industrial building is depicted to the west.

The commercial/industrial uses of the adjacent sites are further discussed in section 5.4.2 *Historical Sanborn Maps* and 5.4.3 *City Directories* below.

### 5.4.2 HISTORICAL SANBORN MAPS

#### 1888 Sanborn Map

- **Subject Property**  
The Subject Property consists of seven adjacent lots (805-817 Lexington Avenue), five of which are vacant. The 809-811 Lexington Avenue lots are improved with a 2-story unspecified structure and two adjacent 2-story stables.
- **North**

The Subject Property is bounded to the north by two 2-story dwellings and five vacant lots.

- **East**

The Subject Property is bounded to the east by a 2-story stable.

- **South**

The Subject Property is bounded to the immediate south by Lexington Avenue, followed by three vacant lots, two small stables, and a 3-story dwelling.

- **West**

The Subject Property is bounded to the west by a vacant lot, followed by a small structure labeled 'conservatory glass' and a single-story unspecified structure.

### 1908 Sanborn Map

- **Subject Property**

The Subject Property consists of two adjacent lots and is improved with a 2-story electro platter and iron works facility. The main building is located in Lot 56 (the existing parking lot area), with a storage room, wagon shed, and stable located in Lot 51. A small detached single-story structure is depicted further east, and a small storage shed is depicted towards the back of Lot 56.

- **North**

The Subject Property is bounded to the north by four 2-story dwellings, one of which features a stable and carriage house.

- **East**

The Subject Property is bounded to the east by a single-story building labeled as auto garage.

- **South**

The Subject Property is bounded to the immediate south by Lexington Avenue, followed by a 3-story dwelling with a stable and wagon shed; and a 4-story building labeled as 'Compound', with a foundry on the first floor.

- **West**

The Subject Property is bounded to the west by a vacant lot, followed by a 3-story industrial building labeled as 'S Casio Marble Works'.

### 1932 Sanborn Map

- **Subject Property**

Lot 51 (811-817 Lexington Avenue) is improved with the existing split level 1-and 2-story industrial building. As per the map annotations, the building is utilized as a commercial garage (80-car capacity). A gasoline tank is depicted on the southwestern section of the building. Lot 56 (805-809 Lexington Avenue) is improved with a 3-story loft building. A small single-story shed is depicted towards the back of the building.

- **North**

The Subject Property is bounded to the north by a 4-story multi-family apartment building, and three 2-story dwellings.

- **East**

The Subject Property is bounded to the east by a single-story auto repair shop.

- **South**

The Subject Property is bounded to the immediate south by Lexington Avenue, followed by a large single-story garage building with a gasoline tank depicted on the northern side of the building; a single-story machine shop building; and a 4-story industrial building labeled as

'Pioneer Instruments Co. (Mutual Risk)'. As per the map annotations, the first floor of the 4-story building is occupied by Atlas Foundry & Pattern Works.

- **West**

The Subject Property is bounded to the west by a large 2-story auto storage and garage with a gasoline tank depicted on the southern side of the garage.

1951 Sanborn Map

- **Subject Property**

The existing split level 1-and 2-story building (lot 51) is described as a loft building. Two staircases have been added to the southeast and southwest corners of the building. In addition, the previously mentioned gasoline filling tank is no longer depicted. Lot 56 (805-809 Lexington Avenue) is improved with a 3-story building labeled as 'Rayon Dyeing & Finishing'. A small single-story shed is depicted towards the back of the building.

- **North**

The Subject Property is bounded to the north by a 4-story apartment building, and three 2-story dwellings.

- **East**

The Subject Property is bounded to the east by a single-story building labeled as 'Metal Finishing'. As per the map annotations, the building contains two lacquer spray booths.

- **South**

The Subject Property is bounded to the immediate south by Lexington Avenue, followed by a single-story building labeled as 'Bed Spring Manufacturing' (previously a garage). The aforementioned gasoline tank is no longer depicted. In addition, there is a single-story machine shop building, and a 4-story building labeled as a loft.

- **West**

The Subject Property is bounded to the west by a large 2-story building labeled 'Plumbing Supplies'.

1962 Sanborn Map

- **Subject Property**

Lot 51 is improved with the existing split level 1-and 2-story building, described as a loft. The aforementioned 3-story building in Lot (805-809 Lexington Avenue) is now described as a loft. A single-story shed is depicted towards the back of the building.

- **North**

The Subject Property is bounded to the north by a 4-story multi-family apartment building, and three 2-story dwellings.

- **East**

The Subject Property is bounded to the east by a single-story building labeled as 'Metal Finishing'. The building contains two lacquer spray booths.

- **South**

The Subject Property is bounded to the immediate south by Lexington Avenue, followed by a single-story building labeled as 'Bed Spring Manufacturing'; a single-story building labeled as 'Metal Oil Painting'; and a 4-story loft building.

- **West**

The Subject Property is bounded to the west by a large 2-story building labeled 'Plumbing Supplies'.

### 1965 Sanborn Map

No significant changes are depicted relative to the previous map, except for:

- **West**  
The Subject Property is bounded to the west by a 2-story loft building.

### 1976-1979 Sanborn Maps

- **Subject Property**  
Lot 51 (811-817 Lexington Avenue) is improved with the existing split level 1-and 2-story loft building. Lot 56 (805-809 Lexington Avenue) consists of a vacant lot.
- **North**  
The Subject Property is bounded to the north by a 4-story multi-family apartment building, two 2-story dwellings, and a vacant lot.
- **East**  
The Subject Property is bounded to the east by a single-story building labeled 'Metal Finishing'. The building contains two lacquer spray booths.
- **South**  
The Subject Property is bounded to the immediate south by Lexington Avenue, followed by two single-story warehouse buildings and a 4-story loft building.
- **West**  
The Subject Property is bounded to the west by a 2-story loft building.

### 1982-1991 Sanborn Maps

- **Subject Property**  
Lot 51 (811-817 Lexington Avenue) is improved with the existing split level 1-and 2-story loft building. Lot 56 (805-809 Lexington Avenue) consists of a vacant lot.
- **North**  
The Subject Property is bounded to the north by a 4-story apartment building, two 2-story dwellings, and a vacant lot.
- **East**  
The Subject Property is bounded to the east by a single-story auto repair shop.
- **South**  
The Subject Property is bounded to the immediate south by Lexington Avenue, followed by two single-story warehouse buildings and a 4-story loft building.
- **West**  
The Subject Property is bounded to the west by a 2-story loft building.

### 1992-1995 Sanborn Maps

- **Subject Property**  
Lot 51 (811-817 Lexington Avenue) is improved with the existing split level 1-and 2-story loft building. Lot 56 (805-809 Lexington Avenue) consists of a vacant lot.
- **North**  
The Subject Property is bounded to the north by a 4-story apartment building, two 2-story dwellings, and a vacant lot.
- **East**  
The Subject Property is bounded to the east by a single-story auto repair building.
- **South**  
The Subject Property is bounded to the immediate south by Lexington Avenue, followed by

two single-story warehouse buildings and a vacant lot.

- **West**

The Subject Property is bounded to the west by a 2-story loft building.

2001-2007 Sanborn Maps

- **Subject Property**

Lot 51 (811-817 Lexington Avenue) is improved with the existing split level 1-and 2-story loft building. Lot 56 (805-809 Lexington Avenue) consists of a vacant lot.

- **North**

The Subject Property is bounded to the north by a 4-story apartment building, 2-story dwellings, and a vacant lot.

- **East**

The Subject Property is bounded to the east by a single-story auto repair shop.

- **South**

The Subject Property is bounded to the immediate south by Lexington Avenue, followed by two single-story warehouse buildings and a 6-story public facility building labeled as 'NYS Treatment Center'. As per the map annotations, the public facility building was constructed in 1995.

- **West**

The Subject Property is bounded to the west by a 2-story loft building.

Below is a discussion of noteworthy historical uses of the Subject Property and adjacent properties:

**Subject Property**

- According to the 1908 Sanborn map, the Subject Property was previously occupied by an electro platter and iron works facility. This building was razed sometime between 1908 and 1924, and the area previously occupied by this building was redeveloped as a three-story commercial building. Therefore, any impacted soils associated with said electro platter and iron works facility were most likely removed during the site redevelopment activities conducted sometime between 1908 and 1924.
- The existing split-level 1 -to- 2-story building in Lot 51 (811-817 Lexington Avenue) was previously utilized as a commercial garage which contained a gasoline tank on the southern portion of the subject building. The status of the gasoline tank is unknown. The exact length of time the referenced garage operated could not be ascertained, however as per the city directories reviewed, said garage operated between at least 1928 and 1940. By 1951 the subject building was depicted as a loft. Environmental hazards associated with the former commercial garage and potential automobile maintenance activities include the likely generation of hazardous wastes such as spent oils, solvents, and automobile fluids. Due to the lack of waste disposal regulations prior to the 1970s, there is a possibility that the Subject Property subsurface was impacted by improper disposal of hazardous waste associated with said commercial garage and potential auto maintenance activities. Therefore, the former uses of the subject building as a commercial garage and the presence of a gasoline tank that was not regulated constitutes a REC.

- Lot 56 (805-809 Lexington Avenue) was previously improved with a 3-story commercial/industrial building constructed sometime between 1908 and 1924. A rayon dyeing and finishing facility was identified in 1951. Potential hazards associated with said facility include the generation of spent solvents and contaminated wastewater. The former onsite building was razed sometime between 1966 and 1976 and the lot was converted into the existing asphalt-paved parking lot. Based on the lack of hazardous waste disposal regulations prior to the 1970s, and the fact that the Subject Lot 56 has not been redeveloped, the former identified dyeing and finishing operations constitute a REC.

The Subject Property's historical operations are further discussed in the historical city directories section.

### **Adjacent Properties**

- The adjacent property to the east, known as 819 Lexington Avenue, was previously improved with a single-story building that was occupied by automobile repair facilities in 1932 and between 1982 and 2007, and by a metal finishing facility between at least 1951 and 1979. This former building has been razed and at the present time this site consists of a vacant lot. The former uses of this adjacent property are further discussed in the city directories section below.
- The adjacent property to the west, known as 803 Lexington Avenue, is improved with a two-story commercial building constructed prior to the 1930s. The referenced building was occupied by a commercial garage in 1932, which contained a gasoline tank along the southern section of the building. At the present time, this building is occupied by a soup kitchen and social services organization. The referenced site is further discussed in the city directories section below.
- The adjacent single-story property to the south, known as 778 Lexington Avenue, was occupied by a commercial garage in 1932, which contained a gasoline tank along the northern section of the building. Former identified uses also include a bed spring manufacturing facility between at least 1951 and 1965, and a warehouse between at least 1976 and 2006. This building was converted into a church in 2007. Typical environmental hazards associated with commercial garages and automobile maintenance service include the generation of hazardous wastes in the form of spent oils, solvents and auto fluids. Additionally, manufacturing activities typically generate hazardous waste (i.e. solvents, contaminated wastewater, etc.). However, based on the presence of a road (Lexington Avenue) in between the Subject Property and this site, and the fact that this site is located down-gradient of the Subject Property, no significant impacts to the Subject Property are anticipated from the former uses of this adjacent southern property.
- The adjacent property to the south known as 770 Lexington Avenue, was previously improved with a single-story building that was utilized as a machinery shop between at least 1932 and 1951, and a metal oil painting facility between at least 1962 and 1965. This building was razed circa 2007. Environmental hazards associated with the former identified uses include the generation of hazardous wastes in the form of spent oils and solvents, and paints containing heavy metals. However, based on the presence of a road (Lexington Avenue) in

between the Subject Property and this site, and the fact that this site is located down-gradient of the Subject Property, no significant impacts to the Subject Property are anticipated from the former uses of this adjacent southern property.

- The adjacent southern property known as 754 Lexington Avenue, was previously occupied by a foundry facility, which was depicted in the 1908 and 1932 Sanborn maps. Additionally, various manufacturing/light industrial operations were conducted at this property between at least 1951 and 1991. This building was razed circa 1992 and this property was subsequently redeveloped as the existing addiction rehabilitation center. As such, impacts associated with the historical foundry operations were likely addressed during the site redevelopment activities. Additionally, based on the presence of a road (Lexington Avenue) in between the Subject Property and this site, and the fact that this site is located down-gradient of the Subject Property, no significant impacts to the Subject Property are anticipated from the former uses of this adjacent southern property.

### 5.4.3 CITY DIRECTORIES

City directories can be useful in providing the names of businesses that have operated at a particular site. Historical city directories were obtained from EDR. Below is a summary of the findings:

Subject Property:

Year	Uses
<b>805-809 Lexington Avenue (Lot 56)</b>	
1960	<ul style="list-style-type: none"> <li>• P&amp;F Cloak &amp; Suit Co. Inc.</li> <li>• AGEE Ribbon Dyers Inc.</li> <li>• Amer Dyeing &amp; Finishing Co.</li> <li>• Virunit Rubber Manufacturing Co.</li> </ul>
1940, 1945, and 1949	<ul style="list-style-type: none"> <li>• Amer Dyeing &amp; Finishing Co.</li> </ul>
1934	<ul style="list-style-type: none"> <li>• Harry Poppke Metal Stamping</li> <li>• Residential listings</li> </ul>
1928	<ul style="list-style-type: none"> <li>• New Process Heating Corp.</li> <li>• Toy &amp; Novelty Engineering Co.</li> </ul>
<b>811-817 Lexington Avenue (Lot 51)</b>	
1973, 1976, 1980, 1985, 1992, and 1997	<ul style="list-style-type: none"> <li>• Brandied Fruit Co.</li> <li>• Mars Fudge &amp; Fruit Co Inc.</li> </ul>
1949	<ul style="list-style-type: none"> <li>• Kings Electronics Co.</li> <li>• The Sunshine Laundry</li> </ul>
1940	<ul style="list-style-type: none"> <li>• Palace Garage</li> <li>• Salsberg M Trucking</li> </ul>
1928	<ul style="list-style-type: none"> <li>• Palace Garage</li> </ul>

As per the historical Sanborn maps and city directories reviewed, the subject building (811-817 Lexington Avenue) has been used for various manufacturing and commercial purposes since its construction sometime between 1908 and 1924. Former identified tenants include a commercial

garage (Palace Garage) which operated between at least 1928 and 1940; a trucking company (Salsberg M Trucking) in 1940; a laundry facility (The Sunshine Laundry) in 1949; and various commercial/light industrial companies (Kings Electronics Co., Mars Fudge & Fruit Co., Brandied Fruit Co.) between 1949 and 1997. The 1932 Sanborn map depicted a gasoline tank on the southern portion of the referenced commercial garage. The status of the tank is unknown, however the tank was not depicted in the 1951 through 2007 Sanborn maps. Additionally, the exact type of operations that were conducted at the referenced laundry facility could not be determined. Potential environmental hazards associated with the former commercial garage include the generation of hazardous wastes in the form of spent oils, auto fluids, and solvents. Additionally, PCB-containing equipment may have been stored at the referenced electronics company. There are no reported releases, or known soil and/or groundwater contamination associated with the Subject Property. However, due to the lack of waste disposal regulations prior to the 1970s, there is a possibility that the Subject Property subsurface was impacted by improper disposal of hazardous wastes associated with the former identified uses. Therefore, the former uses of the subject building and the presence of a gasoline tank that was not regulated constitute a REC.

Lot 56 (805-809 Lexington Avenue) was previously improved with a 3-story commercial/industrial building constructed sometime between 1908 and 1924. Former identified uses of the referenced building include metal stamping operations (Harry Poppke Metal Stamping) in 1934; dyeing and finishing operations (Amer Dyeing & Finishing Co) between at least 1940 and 1960; ribbon dyeing (AGEE Ribbon Dyers Inc.) in 1960; and a manufacturing facility (Virunit Rubber Manufacturing Co.) in 1960. Potential environmental hazards associated with the former identified uses include the generation of hazardous wastes in the form of spent oils and solvents, and wastewater contaminated with heavy metals. The former onsite building was razed sometime between 1966 and 1976 and the lot was converted into the existing asphalt-paved parking lot. Based on the lack of hazardous waste disposal regulations prior to the 1970s, and the fact that the Subject Lot 56 has not been redeveloped, the former identified uses constitute a REC.

Adjacent Properties:

Year	Uses
<b>778 Lexington Avenue (South)</b>	
2005, 2010, and 2014	• Calvary Seventh Day
1949, 1960, 1965, 1970, and 1973	• Adler Bed Spring Co. Inc.
1934	• Residential listings • Lex Patchen Garage
1928	• Lex Patchen Garage
<b>770 Lexington Avenue (South)</b>	
2005	• Residential listing
1985 and 1992	• Law Offices • Metal Colors Inc.
1960, 1965, 1970, and 1976	• Metal Colors Inc.
1949	• Kaybe Manufacturing Co. Machinery
1928	• WM H Garage



Year	Uses
<b>754-760 Lexington Avenue (South)</b>	
2014	<ul style="list-style-type: none"> <li>• Alcoholism &amp; Substance Abuse Services</li> <li>• Residential listing</li> </ul>
2010	<ul style="list-style-type: none"> <li>• Alcoholism &amp; Substance Abuse Services</li> <li>• NYS Office of Alcoholism &amp; Substance Abuse</li> </ul>
1960	<ul style="list-style-type: none"> <li>• Maternally Yours Shops Apparel Stores</li> </ul>
1934	<ul style="list-style-type: none"> <li>• Atlas Foundry Co Castings and Patterns</li> <li>• Atlas Pattern &amp; Model Works</li> </ul>
1928	<ul style="list-style-type: none"> <li>• Atlas Pattern &amp; Model Works</li> </ul>
<b>795-803 Lexington Avenue (West)</b>	
2014	<ul style="list-style-type: none"> <li>• St. Johns Bread &amp; Life Program Inc.</li> </ul>
2010	<ul style="list-style-type: none"> <li>• A Security Lock Control System</li> <li>• Citywide Furniture</li> <li>• St. Johns Bread &amp; Life Program Inc.</li> <li>• Signature Mattress Inc.</li> </ul>
1960	<ul style="list-style-type: none"> <li>• Ranbro Wire &amp; Metal Products Corp.</li> </ul>
1934	<ul style="list-style-type: none"> <li>• Residential listing</li> </ul>
1928	<ul style="list-style-type: none"> <li>• Baetz Automotive Service</li> <li>• Phillip Battery Service</li> </ul>
<b>819 Lexington Avenue (East)</b>	
2014	<ul style="list-style-type: none"> <li>• Poulakakos Family Provisions LLC</li> </ul>
1997 and 2000	<ul style="list-style-type: none"> <li>• Two Little Indians Inc.</li> </ul>
1992	<ul style="list-style-type: none"> <li>• Q Bus Line Inc.</li> <li>• Q-Bus Line Inc Van &amp; Auto Repair Center</li> </ul>
1985	<ul style="list-style-type: none"> <li>• Lexington Collision Center</li> </ul>
1960, 1965, 1970, and 1973	<ul style="list-style-type: none"> <li>• Prime Plating Works Inc.</li> </ul>
1949	<ul style="list-style-type: none"> <li>• COML Finishing Co.</li> </ul>
1940	<ul style="list-style-type: none"> <li>• West Co. Express Inc. Office</li> </ul>
1934	<ul style="list-style-type: none"> <li>• Residential listings</li> <li>• Frank August Auto Repairs</li> </ul>
1928	<ul style="list-style-type: none"> <li>• Gea E Palmer Auto Repairs</li> </ul>

According to the historical Sanborn maps and city directories reviewed, the adjacent property to the east, known as 819 Lexington Avenue, was previously occupied by auto repair facilities between at least 1928 and 1934 and between 1982 and 2007. Additionally, metal finishing facilities (COML Finishing Co. and Prime Plating Works Inc.) were identified between 1949 and 1973. Potential environmental hazards associated with automobile repair activities include the generation of hazardous wastes in the form of spent oils, automobile fluids, and solvents. Additionally, metal finishing operations typically generate hazardous wastes in the form of spent solvents and contaminated wastewater. This former building has been razed and at the present time this site consists of a vacant lot. There are no reported releases, or known soil and/or groundwater contamination associated with this site, however based on the lack of hazardous

waste regulations prior to the 1970s, there is a possibility that the Subject Property was adversely impacted by improper disposal of hazardous waste associated with the former uses of this adjacent eastern site. Additionally, based on the likely generation of spent solvents associated with said automobile repair and metal finishing operations, impacts associated with soil vapor migration from this site into the Subject Property cannot be ruled out. As such, the former identified uses of the adjacent eastern site constitute a REC.

Former identified uses associated with the adjacent western property, known as 803 Lexington Avenue, include a battery service facility (Phillip Battery Service) in 1928; an automotive service facility (Baetz Automotive Service) between at least 1928 and 1932, and a metal products facility (Ranbro Wire & Metal Products Corp.) in 1960. As per the 1932 Sanborn map reviewed, a gasoline tank associated with the automotive service facility was present along the southern portion of the building. The status of this gasoline tank is unknown. Potential environmental hazards associated with the former identified uses include the generation of hazardous wastes in the form of spent oils, auto fluids, and solvents; discharged batteries which may have contained heavy metals such as lead and cadmium; and contaminated wastewaters associated with metal finishing processes. At the present time, this building is occupied by a soup kitchen and social services organization. There are no reported releases, or known soil and/or groundwater contamination associated with this site. However, due to the lack of waste disposal regulations prior to the 1970s, there is a possibility that the Subject Property subsurface was impacted by improper disposal of hazardous materials associated with the former referenced tenants. Additionally, based on the likely generation of spent solvents associated with said automobile repair and metal finishing operations and the fact that this site is located up-gradient of the Subject Property, impacts associated with soil vapor migration from this site into the Subject Property cannot be ruled out. As such, the former identified uses of the adjacent western site constitute a REC.

The adjacent property to the south appear to have historically been utilized for various commercial/light manufacturing purposes. Former noteworthy uses include a foundry, a manufacturing facility, and metal painting facility. However, the former building at 770 Lexington Avenue was razed circa 2007. The former building at 754 Lexington Avenue was razed circa 1992 and this property was subsequently redeveloped as the existing addiction rehabilitation center. Based on the presence of a road (Lexington Avenue) in between the Subject Property and the adjacent southern properties, and the fact that the adjacent southern properties are located down-gradient of the Subject Property, no significant impacts to the Subject Property are anticipated from the former identified uses of the adjacent southern properties.

#### **5.4.4 TOPOGRAPHIC MAPS**

Historical topographic maps can be useful in determining the nature of historic land use and presence of historical structures at a particular site. The following topographic maps were reviewed:

- **1897-1947:** The Subject Property is located in an area that is shaded black, which is indicative of built-up areas.
- **1956 - 1997:** The Subject Property is located in a pink-shaded area, indicating that the property is within a densely populated area where individual structures are not delineated.

- **2013:** The Subject Property and adjacent properties are located in a white/gray-shaded area, indicating the Subject Property is located within a built-up area, where individual structures are not delineated.

## 6.0 SITE RECONNAISSANCE

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the property.

### 6.1 *METHODOLOGY AND LIMITING CONDITIONS*

This Phase I ESA was performed in general conformance with the scope and limitations of ASTM International Practice E1527-13. All areas of the Subject Property were accessible at the time of the inspection, with the exception of the basement level. At the time of the site visit, the basement hatch doors were locked and bolted.

### 6.2 *GENERAL SITE SETTING*

The Subject Property is located on the U.S.G.S. Brooklyn, NY 7.5' Quadrangle topographic map. The general site topographic gradient within the immediate vicinity of the Subject Property is in the south-southeastern direction. Topographic conditions of the site vicinity are shown in Appendix 15.3. The Subject Property is approximately 52 feet above mean sea level. The nearest body of water is the English Kills, located approximately 1.25 miles to the north of the Subject Property.

The soils under and in the vicinity of the site are classified by the U.S. Department of Agriculture (USDA) New York City Soil and Water Conservation District as Urban Land. The Soil Surface Textures consist of silt loam, loamy sand, sandy loam and fine sandy loam. The majority of the surface is covered by asphalt, concrete, buildings, or other impervious surfaces. Soils and foundation materials are highly variable. Urban structures and works cover so much of this land type that identification of the soils is not practical. Most areas have been smoothed and the original soil material has been disturbed, filled over, or otherwise destroyed prior to construction.

The Subject Property area is located within the Atlantic Coastal Plain physiographic province. Its topography is level to gently rolling, being interrupted only in localities by isolated hills, which arise abruptly from the surrounding plain. The average elevation of the Coastal Plain province is less than 900 meters and extends approximately 50 to 100 kilometers inland from the Ocean. The Coastal Plain province is characterized by many rivers, marsh and swampland and consists of sedimentary rock and unlithified sediments.

The principal aquifer system in this region consists of the North Atlantic Coastal Plain aquifer system, consisting of the Magothy and Lloyd aquifer. This aquifer primary consists of sand and gravel, with clay separating the two aquifers. The Magothy aquifer provides most of the water in the western half of Long Island. While groundwater in the vicinity of the Subject Property typically flows in a south-southeastern direction, local variations are possible due to intervening subsurface structures that could alter groundwater flow patterns. Groundwater at the Subject Property is not used as a source of drinking water.

### 6.3 *EXTERIOR AND INTERIOR OBSERVATIONS*

The periphery of the Subject Property was visually observed, as well as the periphery of the onsite structure in order to identify recognized environmental conditions in connection with the

property. ALC visually inspected all exterior areas, first and second floor areas, and the roofs. Access to the basements was not provided at the time of the site visit. No recognized environmental conditions that warrant further investigation were identified in the visually accessible areas of the Subject Property. The following conditions were observed:

### 6.3.1 LEAD

Commercial properties are not targeted for the identification of lead-based paint (LBP) and therefore LBP was not addressed.

The scope of this study did not include water testing for the presence of lead. However, NYC DEP testing has demonstrated that the water is lead-free when delivered from the reservoir system. Water can absorb lead from solder, fixtures and pipes found in the plumbing of some buildings.

### 6.3.2 ASBESTOS

Since the subject building was built prior to 1979, there is a possibility that the original construction materials contained asbestos. According to the Environmental Protection Agency and included in the publication EPA560/5-85-025 "Guidance for Controlling Asbestos Containing Materials (ACM) in Buildings", asbestos containing materials are found in three forms: (1) Sprayed or troweled on ceilings and walls and structural steel; (2) in insulation around hot and cold piping, ducts, boilers, and tanks; and (3) in a non-friable state in products such as ceilings and floor tiles, wallboards and outside materials such as shingles and roofing materials. In general, ACM in a friable state (the first two categories) is of greatest concern because they are able to release asbestos fibers with only minimal disturbance.

We have used the 4-category system as defined by Asbestos Hazardous Emergency Response Act (AHERA) to designate the different conditions of asbestos notes throughout the areas of the site.

#### 1. Good Condition

Materials with no visible damage or deterioration to very limited damage or deterioration.

#### 2. Fair Condition

- i. A few water stains or less than one tenth of insulation with missing jackets.
- ii. Crushed insulation or water stains, gouges, puncture or mars on up to one tenth of the insulation if the damage is evenly distributed (or up to one quarter if the damage is localized).

#### 3. Poor Condition

**Material with one or more of the following characteristics:**

- i. Missing jackets on at least one tenth of the piping equipment.
- ii. Crushed or heavily gouged or punctured insulations on at least one tenth of pipe runs/risers, boiler, tank duct, etc., if the damage is evenly distributed (one quarter if the damage is localized).

#### 4. Significantly Damaged

Thermal systems insulation on pipes, boilers, tanks, ducts, and other thermal system insulation equipment which the insulation has lost its structural integrity, or its covering, in whole or in parts, is crushed, water-stained, gouged, punctured, missing, or not intact such that is not able to contain fibers. Damage may be further illustrated by occasional puncture, gouges, or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris, originating from the ACM in question may also indicate damage.

Findings:

ALC observed the following suspect ACM at the Subject Property:

Location	Material	Condition
Roofs	Roof membrane and flashing	Fair
Throughout	Plaster and sheetrock panels	Poor

- Prior to any renovation or repair work that will affect the above referenced materials, asbestos sampling should be conducted. If determined to contain asbestos, the referenced materials should be abated by a certified asbestos abatement contractor as per all applicable local, state and federal regulations.
- Overall, the suspect asbestos containing materials were observed to be in significantly damaged condition.

The inspection was conducted solely to identify any suspect ACM in accessible client designated areas of the Subject Property. Additional asbestos containing materials/quantities may be present in concealed areas of the building. Any suspect asbestos containing materials encountered during future construction activities should be tested or assumed to be ACM and treated as such.

**6.3.3 NON-ASBESTOS HAZARDOUS MATERIALS**

The Subject Property is unoccupied. No evidence of spills, improper handling, storage or disposal of hazardous materials was observed at the time of the site visit.

**6.3.4 UNDERGROUND/ABOVEGROUND STORAGE TANKS**

No underground or aboveground storage tanks, vent pipes, fill pipes or access ways indicative of underground storage tanks were visually observed at the Subject Property during the site visit. ALC notes that at the time of the site reconnaissance, the hatch doors leading to the basement were locked and therefore, the basement level was not inspected. However, fuel oil was historically utilized at the Subject Property as a source of heat, as evidenced by a fuel oil burner application dated 1960, which was on-file with the NYC Department of Buildings.

Additionally, the Subject Property is listed in the NY UST database in regards to an active 1,500-gallon No. 2 fuel oil tank. As per the database, the tank is permitted under the NYSDEC PBS No. 2-333344, however the tank registration certificate expired on November 26, 2008. According to the database, the referenced tank was tested for tightness on June 1, 1995. There are no reported tank test failures associated with the Subject Property. Although requested, no information

regarding the former usage or status of the referenced fuel oil UST was provided by property management/ownership. The lack of information pertaining to this UST constitute a REC.

A request for public records pertaining to any fuel oil tanks associated with the Subject Property was submitted to the FDNY. A response to the request submitted was not received in time for inclusion in this report.

### 6.3.5 NON-HAZARDOUS SOLID WASTE

The Subject Property was vacant at the time of the site visit. However, ALC identified building debris throughout the first floor area, which may be contaminated with lead and/or asbestos containing materials. Corrective action is warranted.

There was no evidence that the Subject Property may have been used for dumping or landfilling.

### 6.3.6 HAZARDOUS WASTE

The subject building is currently vacant and therefore does not generate hazardous waste.

#### ODORS

- No strong, pungent, or noxious odors were noted at the Subject Property at the time of the site visit.
- **POOLS OF LIQUID**  
No pools or sumps containing liquids likely to be hazardous substances or petroleum products were visually observed at the Subject Property at the time of the site visit.
- **DRUMS**  
No waste drums were observed at the Subject Property or identified from the records reviewed.
- **UNIDENTIFIED SUBSTANCE CONTAINERS**  
No open or damaged containers containing unidentified substances suspected of being hazardous substances or petroleum products were observed on the Subject Property.

### 6.3.7 VAPOR ENCROACHMENT

A Tier 1 Vapor Encroachment Screening for the Subject Property was performed, in accordance with the ASTM International Practice 2600-10. ALC utilized EDR to conduct the appropriate searches of federal and state sites identified within the area of concern (AOC) specified by ASTM 2600-10. The appropriate minimum search distances surrounding the Subject Property are as follows:

Standard Environmental Record Sources	Chemicals of Concern (miles)	Petroleum Hydrocarbon Chemicals of Concern (miles)
Registered storage tanks	Target property only	Target property only

Standard Environmental Record Sources	Chemicals of Concern (miles)	Petroleum Hydrocarbon Chemicals of Concern (miles)
Emergency Response Notification System (ERNS)	Target property only	Target property only
Federal and state institutional and engineering Controls list	Target property only	Target property only
Federal RCRA Generators	Target property only	Target property only
Federal NPL	1/3	1/10
State- and tribal-equivalent NPL	1/3	1/10
Federal CERCLIS	1/3	1/10
State- and tribal-equivalent CERCLIS	1/3	1/10
Federal RCRA	1/3	1/10
Federal RCRA CORRACTS facilities	1/3	1/10
State and tribal landfill and/or solid waste disposal sites	1/3	1/10
State and tribal voluntary cleanup sites (VCP)	1/3	1/10
State and tribal Brownfield sites	1/3	1/10

Minimum search distances when groundwater flow direction can be estimated:		
Up-gradient	Cross-gradient	Down-gradient
<ul style="list-style-type: none"> <li>- 1/3 mile for chemicals of concern sources</li> <li>- 1/10 mile for petroleum hydrocarbon sources</li> </ul>	<ul style="list-style-type: none"> <li>- 100 feet for chemicals of concern sources/petroleum hydrocarbon Light Non-Aqueous Phase Liquid (LNAPL) sources plus plume width consideration.</li> <li>- 30 feet for dissolved petroleum hydrocarbon sources plus plume width consideration.</li> </ul>	<ul style="list-style-type: none"> <li>- 100 feet for chemicals of concern sources/petroleum hydrocarbon LNAPL sources.</li> <li>- 30 feet for dissolved petroleum hydrocarbon sources.</li> </ul>

Findings:

- As per the historical sources reviewed (historical Sanborn maps and historical city directories) reviewed, the Subject Property has historically been utilized for commercial and manufacturing operations between as early as 1908 and 1997. Former identified uses include a commercial garage with a gasoline tank, and dyeing and finishing operations. Additionally, former identified uses of the adjacent eastern and western properties include automobile repair facilities (including a commercial garage with a gasoline tank) and metal finishing operations. These activities have the potential to generate hazardous wastes such as spent oils and solvents. Therefore, impacts associated with soil vapor intrusion from the onsite historical uses and the historical uses of the adjacent eastern and western properties cannot not be ruled out. This constitutes a Vapor Encroachment Condition (VEC). A VEC is defined by ASTM E2600-10 as “the presence or likely presence of chemicals of concern (COC) vapors in the sub-surface of the target property caused by the release of vapors from contaminated soil or groundwater either on or near the target property”.



- No VECs that could not be ruled out were identified for the remaining surroundings sites within the above specified distances. The EDR Vapor Encroachment Screen report is included in Appendix 15.5.

### **6.3.8 PCB-CONTAINING EQUIPMENT**

Observation for electrical equipment or electrical components which contain dielectric fluid with the potential to contain polychlorinated biphenyls (PCBs) in excess of 50 parts per million (ppm) was conducted as part of this assessment. Fluorescent lighting ballasts were observed at the Subject Property and may potentially contain PCBs. Provided the usage of such equipment is properly managed and maintained, and the ballast units are disposed of in an environmentally-conscious manner, their usage at the Subject Property is not considered a significant environmental concern.

No other suspect PCB-containing equipment (i.e. elevators, trash compactors, transformers, etc.) was observed at the Subject Property.

### **6.3.9 STORM WATER AND WASTE WATER**

The Subject Property is connected to a municipal owned and maintained sewer system. Storm water is drained from the Subject Property primarily by sheet flow action across paved surfaces and into catch basins located along Lexington Avenue. No unusual ponding of storm waters was observed.

### **6.3.10 WETLANDS**

Review of the National Wetlands Inventory published by USGS indicated that there are no recognized wetlands on or in the immediate vicinity of the Subject Property.

### **6.3.11 RADON**

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products which include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

Review of the EPA Map of Radon Zones places the Subject Property in Zone 3, where average predicted radon levels are less than 2.0 pCi/L (picocuries/liter). The USEPA recommended action level is 4.0 pCi/L. Based on the low predicted radon levels, adverse environmental impacts related to radon gas migration are not anticipated at the Subject Property.

### **6.3.12 AIR EMISSIONS**

No potential sources of permitted air emissions were observed at the Subject Property during the site reconnaissance. In addition, no odors were noted during the site reconnaissance.

### **6.3.13 STRESSED VEGETATION**

This inspection did not reveal any visual indication of environmental contamination immediately adjacent to the Subject Property nor within the boundaries of the Subject Property.

### **6.3.14 HEATING/COOLING**

At the time of the site visit, no cooling or heating systems were observed at the subject building, with the exception of ceiling-mounted electric heaters observed on the second floor.

### **6.3.15 STAINS OR CORROSION**

No areas of stained soil or pavement were visually observed at the Subject Property at the time of the site visit.

### **6.3.16 DRAINS AND SUMPS**

Floor drains observed at the Subject Property (bathrooms, first and second floor former manufacturing/production areas) are reported to discharge into the municipal sewer system. No odors, staining or signs of a release were identified in the vicinity of the floor drains. No sump pumps were observed at the Subject Property. No further action or investigation is warranted.

### **6.3.17 MOLD**

Visible mold growth and evidence of water damage was identified throughout the subject building. Musty odors were noted throughout the building, which is indicative of a moisture problem and microbial growth. Additionally, standing water was observed in the former freight elevator pit. Corrective action is warranted.

## 7.0 INTERVIEWS

### 7.1 *INTERVIEW WITH OWNER*

The property Owner was not available at the time of the site visit.

### 7.2 *INTERVIEW WITH SITE MANAGER*

During the site reconnaissance, ALC was accompanied by Elder David Ajayi and Elder M F Ojo of Calvary First Nigerian Seventh Day Adventist Church who provided a tour of the Subject Property. Elder Ajayi and Elder Ojo have been associated with the Subject Property for more than ten years.

Elder Ajayi and Elder Ojo informed ALC that the Subject Property was used for industrial purposes in the past and the subject building had been vacant for almost twenty years. They are not aware of any reported spills, or underground storage tanks associated with the Subject Property.

### 7.3 *INTERVIEWS WITH OCCUPANTS*

No occupants were interviewed at the time of the site visit.

### 7.4 *INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS*

A Freedom of Information Law (FOIL) requests for information associated with the Subject Property was submitted to the NYSDEC and FDNY. A response was not received in time for inclusion in this report. Upon receipt and review, any environmentally significant information will be submitted to the Client in an addendum letter.

### 7.5 *INTERVIEW WITH OTHERS*

During the site reconnaissance, ALC was accompanied by Mr. Lorne Norton, Housing Development Project Manager at IMPACCT Brooklyn. Mr. Norton has been associated with the Subject Property for approximately three months.

Mr. Norton stated that the subject building has been unoccupied for last twenty years. According to the Pre-Survey Questionnaire, completed by Mr. Norton, the last occupant of the Subject Property was a fruit filling and fudge factory known as Mars Fudge & Fruit Company, Incorporated. Mr. Norton is not aware of any reported spills, or underground storage tanks associated with the Subject Property.

## 8.0 FINDINGS

The Consultant identified the following recognized environmental conditions (RECs) associated with the Subject Property:

- No underground or aboveground storage tanks, vent pipes, fill pipes or access ways indicative of underground storage tanks were visually observed at the Subject Property during the site visit. ALC notes that at the time of the site reconnaissance, the hatch doors leading to the basement were locked and therefore, the basement level was not inspected. However, fuel oil was historically utilized at the Subject Property as a source of heat, as evidenced by a fuel oil burner application dated 1960, which was on-file with the NYC Department of Buildings.

Additionally, the Subject Property is listed in the NY UST database in regards to an active 1,500-gallon No. 2 fuel oil tank. As per the database, the tank is permitted under the NYSDEC PBS No. 2-333344, however the tank registration certificate expired on November 26, 2008. According to the database, the referenced tank was tested for tightness on June 1, 1995. There are no reported tank test failures associated with the Subject Property. Although requested, no information regarding the status and location of the referenced tank was provided by property management/ownership. The lack of information regarding the referenced 1,500-gallon No. 2 fuel oil UST constitutes a REC.

- As per the historical Sanborn maps and city directories reviewed, the existing split level building at 811-817 Lexington Avenue has been used for various manufacturing and commercial purposes since its construction sometime between 1908 and 1924. Former identified tenants include a commercial garage (Palace Garage) which operated between at least 1928 and 1940; a trucking company (Salsberg M Trucking) identified in 1940; a laundry facility (The Sunshine Laundry) identified in 1949; and various commercial/light industrial companies (Kings Electronics Co., Mars Fudge & Fruit Co., Brandied Fruit Co.) between at least 1949 and 1997. According to the 1932 Sanborn map, a gasoline tank was present on the southern portion of the referenced commercial garage. The status of the tank is unknown, however the tank was not depicted in the 1951 through 2007 Sanborn maps. Additionally, the exact type of operations that were conducted at the referenced laundry facility could not be determined. Potential environmental hazards associated with the former commercial garage include the generation of hazardous wastes in the form of spent oils, auto fluids, and solvents. Additionally, polychlorinated biphenyls (PCB)-containing equipment may have been stored at the referenced electronics company. There are no reported releases, or known soil and/or groundwater contamination associated with the Subject Property. However, due to the lack of waste disposal regulations prior to the 1970s, there is a possibility that the Subject Property subsurface was impacted by improper disposal of hazardous wastes associated with the former identified uses. Additionally, based on the likely generation of spent solvents and oils associated with said automobile maintenance operations, impacts associated with soil vapor intrusion cannot be ruled out. Therefore, the historical uses of the subject building, including the presence of a gasoline tank that was not regulated, constitute a REC.

- Lot 56 (805-809 Lexington Avenue) was previously improved with a 3-story commercial/industrial building constructed sometime between 1908 and 1924. Former identified uses of the referenced building include metal stamping operations (Harry Poppke Metal Stamping) in 1934; dyeing and finishing operations (Amer Dyeing & Finishing Co.) between at least 1940 and 1960; ribbon dyeing (AGEE Ribbon Dyers Inc.) in 1960; and a manufacturing facility (Virunit Rubber Manufacturing Co.) in 1960. Potential environmental hazards associated with the former identified uses include the generation of hazardous wastes in the form of spent oils and solvents, and wastewater contaminated with heavy metals. The former onsite building was razed sometime between 1966 and 1976 and the lot was converted into the existing asphalt-paved parking lot. However, based on the lack of hazardous waste disposal regulations prior to the 1970s, and the fact that the Subject Lot 56 has not been redeveloped, the former identified uses constitute a REC.
- According to the historical Sanborn maps and city directories reviewed, the adjacent property to the east, known as 819 Lexington Avenue, was previously occupied by auto repair facilities between at least 1928 and 1934 and between 1982 and 2007. Additionally, metal finishing facilities (COML Finishing Co. and Prime Plating Works Inc.) were identified between 1949 and 1973. As previously stated, potential environmental hazards associated with automobile repair activities include the generation of hazardous wastes in the form of spent oils, automobile fluids, and solvents. Additionally, metal finishing operations typically generate hazardous wastes in the form of spent solvents and contaminated wastewater. This former building has been razed and at the present time this site consists of a vacant lot. There are no reported releases, or known soil and/or groundwater contamination associated with this site, however based on the lack of hazardous waste regulations prior to the 1970s, there is a possibility that the Subject Property was adversely impacted by improper disposal of hazardous waste associated with the former uses of this adjacent eastern site. Additionally, based on the likely generation of spent solvents and oils associated with said automobile repair and metal finishing operations, impacts associated with soil vapor migration from this site into the Subject Property cannot be ruled out. As such, the former identified uses of the adjacent eastern site constitute a REC.

Former identified uses associated with the adjacent western property, known as 803 Lexington Avenue, include a battery service facility (Phillip Battery Service) in 1928; an automotive service facility (Baetz Automotive Service) between at least 1928 and 1932, and a metal products facility (Ranbro Wire & Metal Products Corp.) in 1960. As per the 1932 Sanborn map reviewed, a gasoline tank associated with the automotive service facility was present along the southern portion of the building. The status of this gasoline tank is unknown. Potential environmental hazards associated with the former identified uses include the generation of hazardous wastes in the form of spent oil, auto fluids, and solvents; discharged batteries which may have contained heavy metals such as lead and cadmium; and contaminated wastewaters associated with metal finishing processes. At the present time, this building is occupied by a soup kitchen and social services organization. There are no reported releases, or known soil and/or groundwater contamination associated with this site. However, due to the lack of waste disposal regulations prior to the 1970s, there is a possibility that the Subject Property subsurface

was impacted by improper disposal of hazardous materials associated with the former referenced tenants. Additionally, based on the likely generation of spent oils and solvents associated with said automobile repair and metal finishing operations and the fact that this site is located up-gradient of the Subject Property, impacts associated with soil vapor migration from this site into the Subject Property cannot be ruled out. As such, the former identified uses of the adjacent western site constitute a REC.

The following noteworthy conditions, which include *de minimis* conditions were identified:

- Suspect asbestos containing materials in the form of roofing materials, plaster, sheetrock and joint compound are present at the Subject Property. The roofing materials appeared in good to fair condition, however damaged wall and ceiling plaster and sheetrock panels were observed throughout the building.
- Visible mold growth and evidence of water damage was identified throughout the subject building. Musty odors were noted throughout the building, which is indicative of a moisture problem and microbial growth. Additionally, standing water was observed in the former freight elevator pit. Corrective action is warranted.
- Building materials and debris were observed throughout the subject building. The referenced debris may be contaminated with lead and/or asbestos. Corrective action is warranted.

No additional conditions were observed at the Subject Property that would potentially present a significant environmental concern or recognized environmental condition.

## 9.0 CONCLUSIONS AND RECOMMENDATIONS

Based on a review of background data, regulatory agency records, aerial photographs, and observations made during the site reconnaissance, the following conclusions and recommendations are presented regarding the Subject Property. The scope of this study did not include subsurface exploration, sampling or analytical laboratory testing.

### 9.1 CONCLUSIONS

- Please refer to *section 8 Findings*.
- The Subject Property is not identified as being evaluated by the State of New York or federal government for remedial action under SEMS or any other environmental regulations. However, the Subject Property is listed in the following environmental database: NY UST.
- There were three hundred and thirty-seven (337) sites listed on the regulatory database search within a 1-mile radius of the Subject Property. Based on available information, estimated flow direction of groundwater, and the nature of the database listings, it is unlikely that the Subject Property has been impacted by unauthorized releases of hazardous materials at this time, though it is impossible to entirely rule out the potential for contamination.
- Based on the estimated date of construction of the subject building, asbestos containing materials are anticipated to have been used during the building's construction.
- ALC performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at 811-817 Lexington Avenue, Brooklyn, NY 11221. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed evidence of recognized environmental conditions in connection with the Subject Property.

### 9.2 RECOMMENDATIONS

- Based on the findings, which include a potential UST at the Subject Property, a thorough inspection of the basement level is recommended.
- In regards to the NY UST listing pertaining to an active 1,500-gallon No. 2 fuel oil UST associated with the Subject Property, if the tank is planned to be used once the building is occupied, the tank's registration certificate must be updated as soon as possible. Additionally, NYSDEC regulations require that regulated underground storage tanks undergo tank tightness test every 5 years. Records obtained from the NYSDEC Online Petroleum Bulk Storage database indicate that the onsite tank was last tested in 1995. Therefore, if planned to be used, the onsite tank must be tested as soon as possible in order to be in compliance with the NYSDEC Petroleum Bulk Storage regulations. If the tank is not planned to be used, all applicable procedures for decommissioning underground storage tanks must be followed.

Lastly, if the location of the onsite tank is unknown, ALC recommends that a Ground

Penetrating Radar (GPR) survey be conducted to determine the location of the tank.

- In regards to the identified historical uses of the Subject Property and adjacent properties to the east and west, ALC recommends that a subsurface investigation, including a soil vapor survey, be conducted at the Subject Property to confirm or deny impacts. Based on the findings, further action may be warranted. Additionally, a GPR survey is recommended along the southern section of the subject building, to confirm that the gasoline tank identified in the 1932 Sanborn map is no longer present.
- Suspect asbestos containing materials in the form of roofing materials, plaster, and sheetrock panels are present at the Subject Property. Damaged wall and ceiling plaster and sheetrock panels were observed throughout the Subject Property. Prior to any repair or renovation work that will affect the referenced materials, asbestos testing should be conducted. If determined to contain asbestos, the materials should be abated by a certified asbestos abatement contractor prior to commencement of the renovation work, as per all applicable local, state and federal regulations.
- In regards to the evidence of microbial growth identified at the subject building, ALC recommends that the suspect microbial growth be properly removed/remediated as soon as possible. Additionally, the source(s) of the water intrusion responsible for the water damage observed at the subject building should be investigated and repaired as soon as possible in order to prevent further water damage and the proliferation of mold growth.
- The building materials debris identified throughout the subject building should be properly disposed of as per applicable local regulations.

ALC has no additional recommendations for further study at the Subject Property at this time, other than the recommendations provided above.



## 10.0 DEVIATIONS

ALC did not interview the prior property owner as part of this assessment, and replies from certain municipal officials had yet to be received by the time of report completion. Beyond the aforementioned exceptions, there were no deletions or deviations from ASTM E1527-13. The client did not impose any constraints that required deviation from the standard practice and there were no conditions at the site that limited the scope of work.

**Data Gaps:** A response to the request for public records pertaining to the Subject Property submitted to the NYSDEC and FDNY was not received in time for inclusion in this report. ALC was not provided with any information regarding the UST associated with the Subject Property. In addition, ALC was not able to inspect the basement level of the subject building. This constitutes a data gap.

## 11.0 ADDITIONAL SERVICES

ALC did not provide any additional services to the Client as part of this Phase I ESA.

## 12.0 REFERENCES

Environmental Data Resources (EDR) with Geocheck: 811-1817 Lexington Avenue, Brooklyn, NY 11221, October 30, 2017.

EDR Aerial Photo Decade Package, dated October 30, 2017

EDR Certified Sanborn Map Report, dated October 30, 2017

EDR City Directory, dated October 30, 2017

EDR Historical Topographic Map Report, dated October 30, 2017

USEPA Envirofacts

<https://www3.epa.gov/enviro/facts/multisystem.html>

National Wetlands Inventory

<http://www.fws.gov/wetlands/data/Mapper.html>

FEMA Flood Map

<https://msc.fema.gov/portal>

USEPA Map of Radon Zones.

<http://www.epa.gov/radon/zonemap.html>

NYC Oasis

[www.oasisnyc.net](http://www.oasisnyc.net)

Department of Buildings

<http://www.nyc.gov/html/dob/html/bis/bis.shtml>

NYSDEC Environmental Site Database Search

<http://www.dec.ny.gov/chemical/8437.html>

NYC Department of Finance

<http://www.nyc.gov/html/dof/html/jump/acris.shtml>

NYS Searchable Property Environmental E-Database (SPEED)

<https://gis.nyc.gov/moer/speed/>

New York City Soil and Water Conservation District, New York City Reconnaissance Soil Survey, April 2006

### 13.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

This Phase I ESA was performed in general conformance with the scope and limitations of ASTM International Practice E1527-13. Sanchita Basu Mallick of ALC Environmental, a qualified environmental professional, performed this Phase I ESA.



---

Surveyed and Written by: Sanchita Basu Mallick  
Real Estate Due Diligence  
ALC Environmental



---

Reviewed by: Tania Castro, Division Manager  
Real Estate Due Diligence  
ALC Environmental

## 14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental professional as defined in §312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



---

Surveyed and Written by: Sanchita Basu Mallick  
Real Estate Due Diligence  
ALC Environmental



---

Reviewed by: Tania Castro, Division Manager  
Real Estate Due Diligence  
ALC Environmental

## **15.0 APPENDICES**

15.1 Figures

15.2 Site Photographs

15.3 Historical Research Documentation

15.4 Regulatory Records Documentation

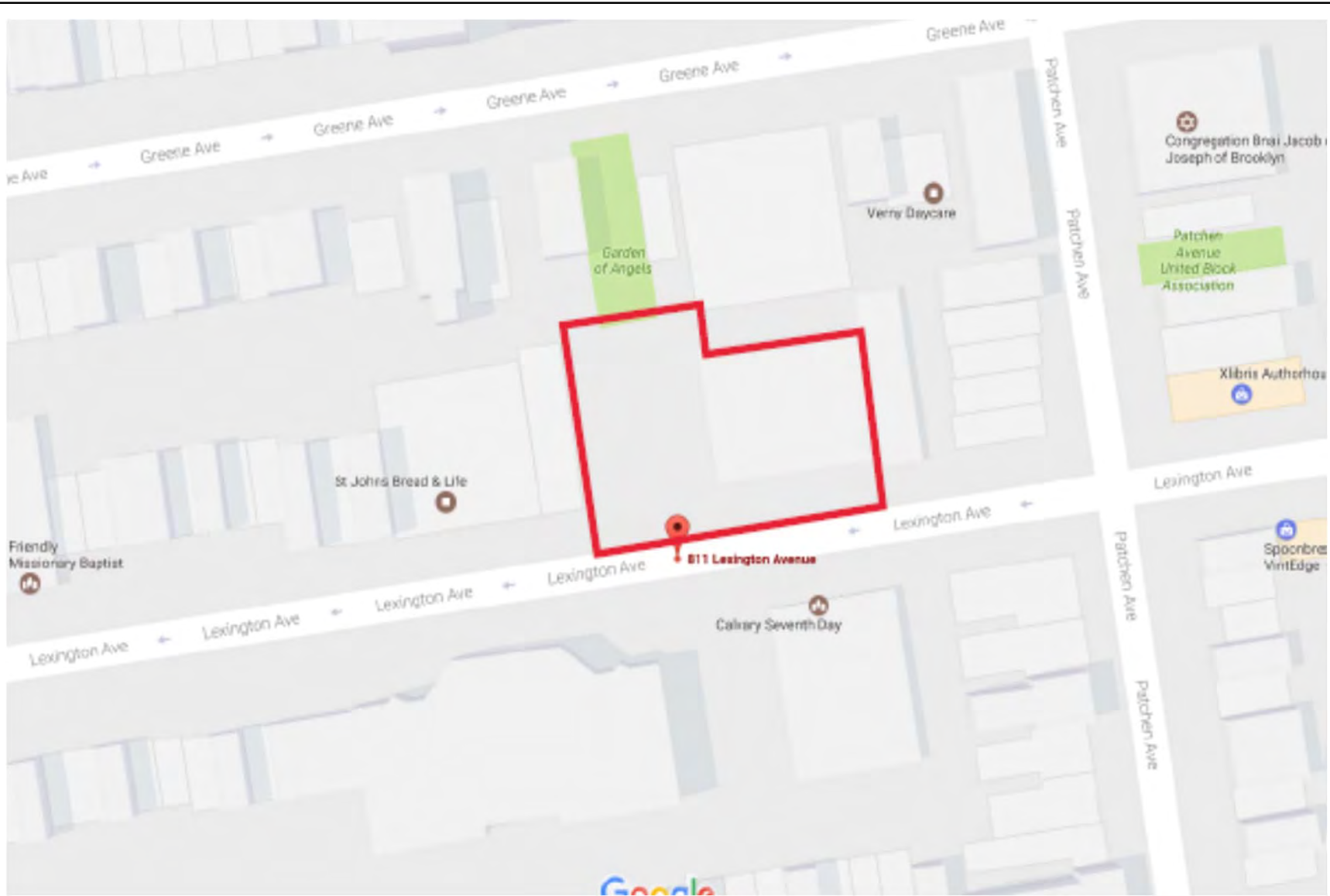
15.5 Supporting Documentation

15.6 Contractual Conditions between User and Environmental Professional

15.7 Qualifications of the Environmental Professional

## APPENDIX 15.1

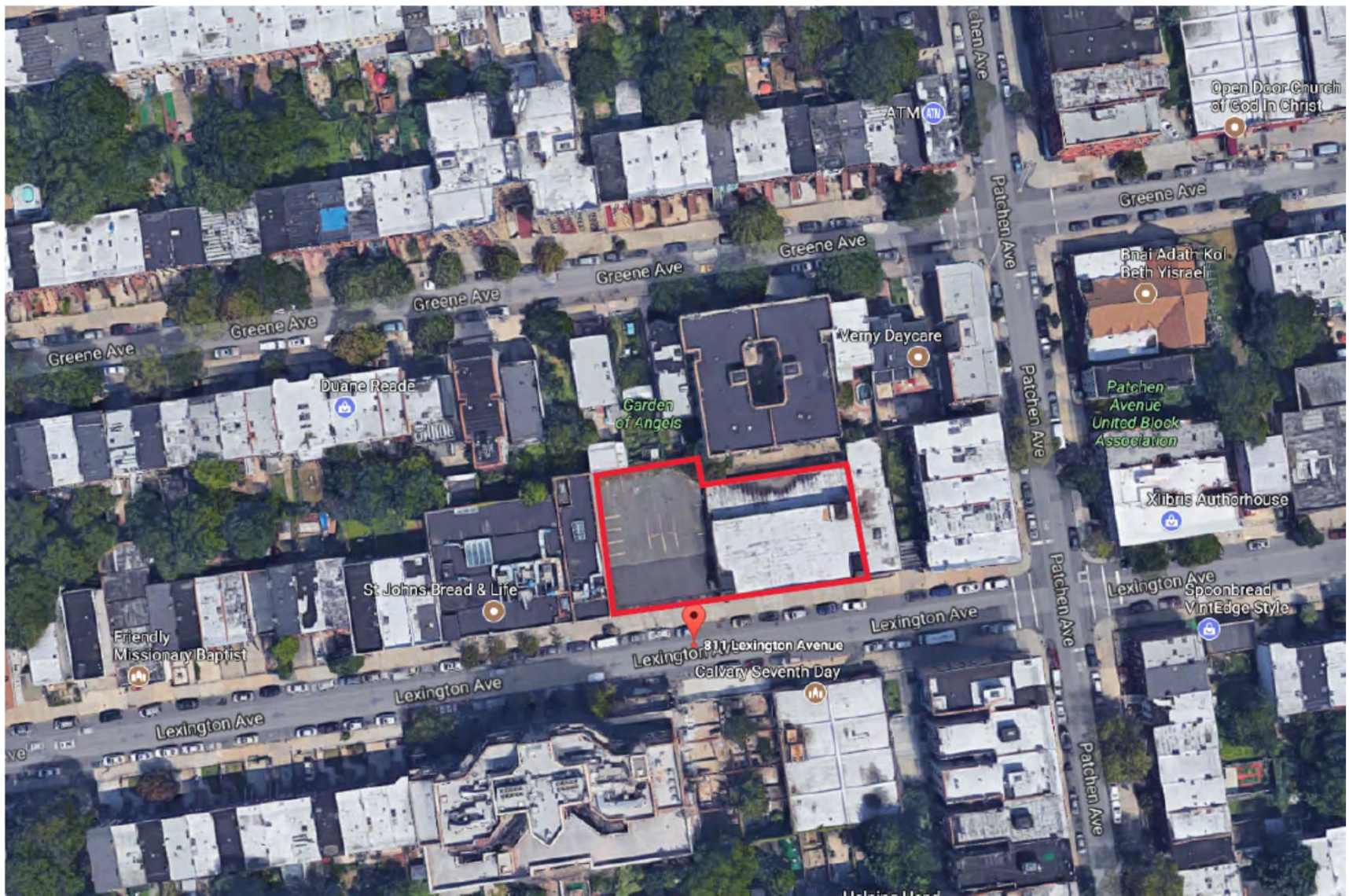
### FIGURES



811-817 Lexington Avenue, Brooklyn, NY 11221  
Google Maps

**Appendix 15.1**  
**Site Vicinity Map**

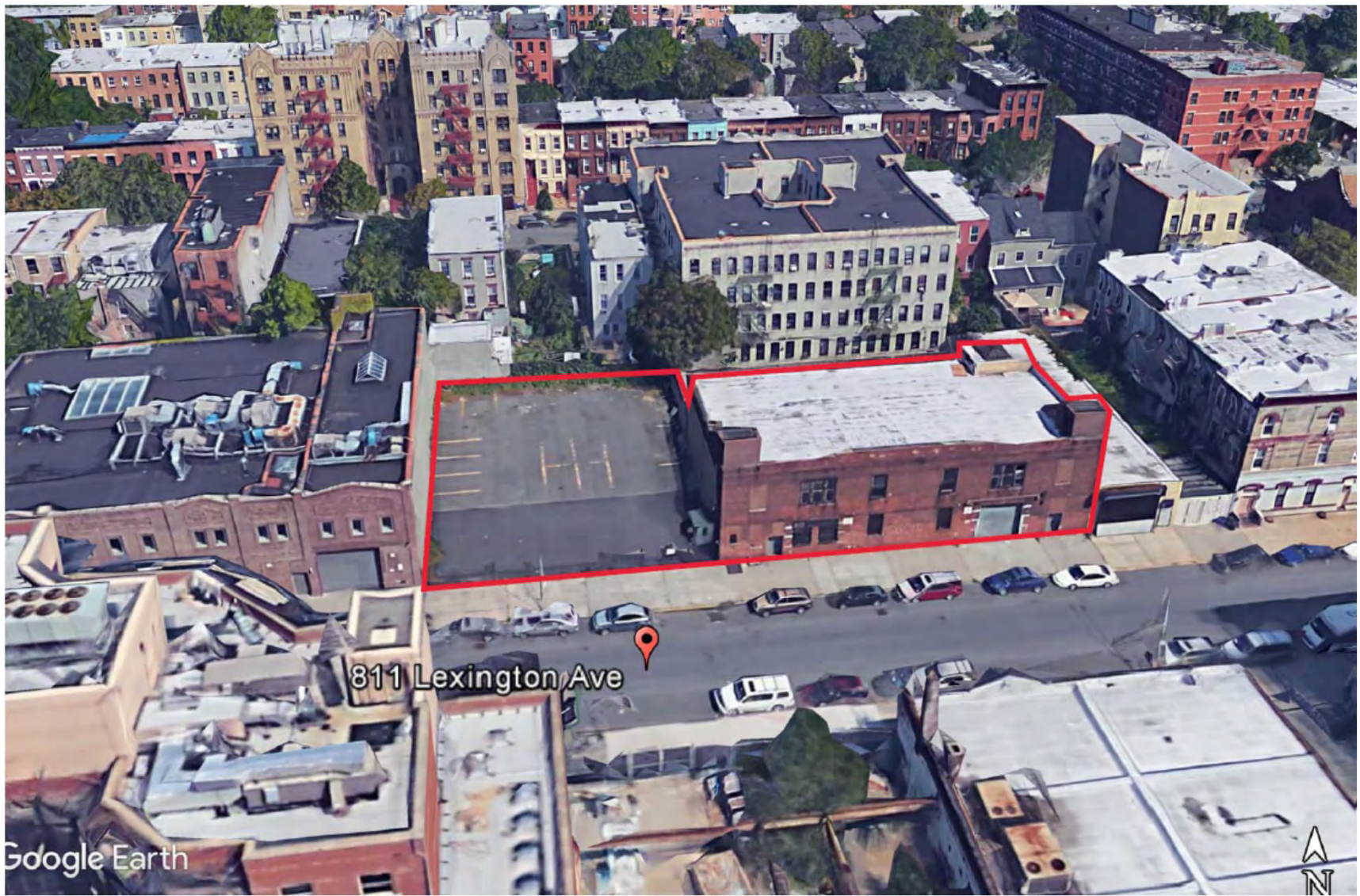




811-817 Lexington Avenue, Brooklyn, NY 11221  
Google Maps

Appendix 15.1  
Site Vicinity Map

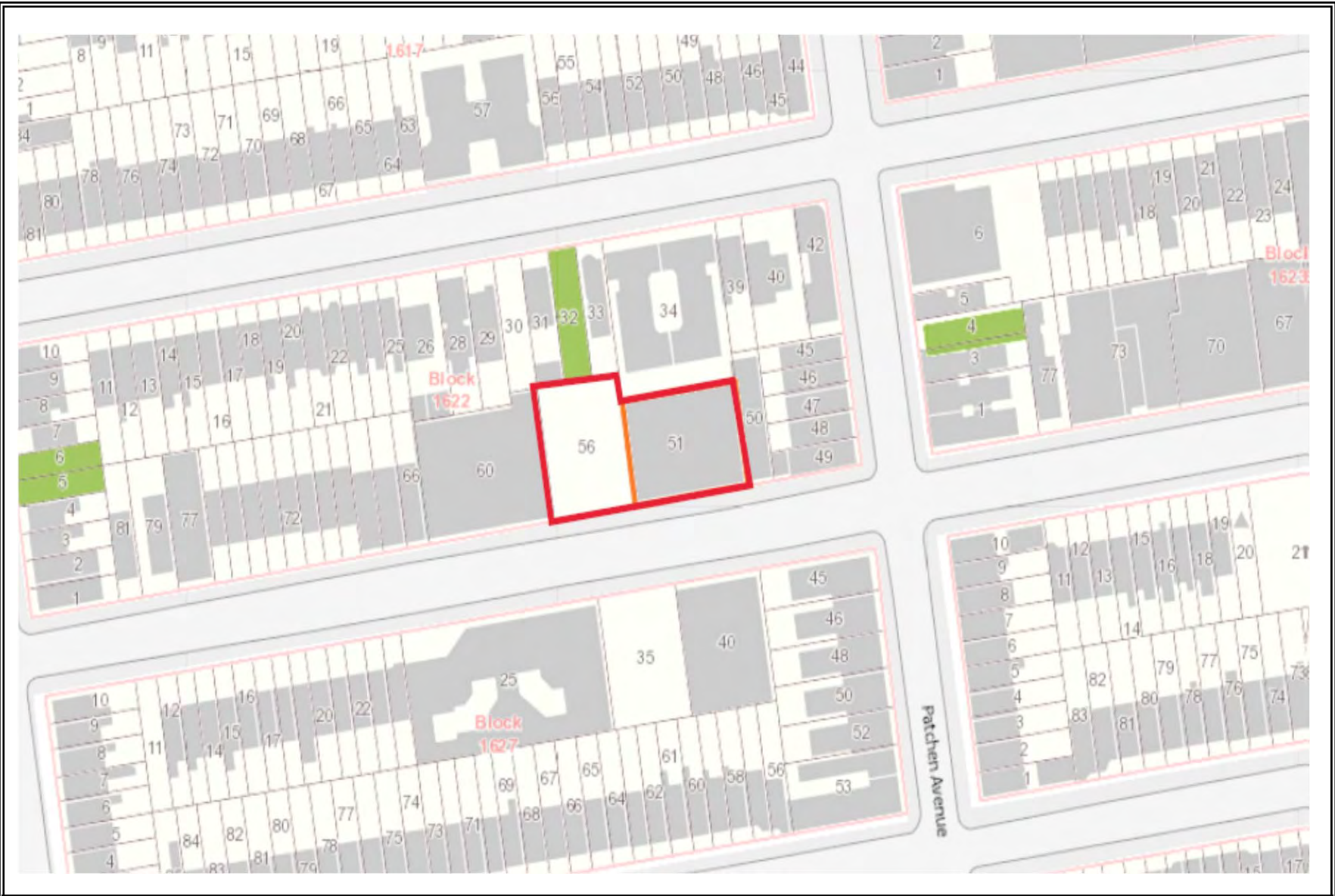




811-817 Lexington Avenue, Brooklyn, NY 11221  
Google Earth



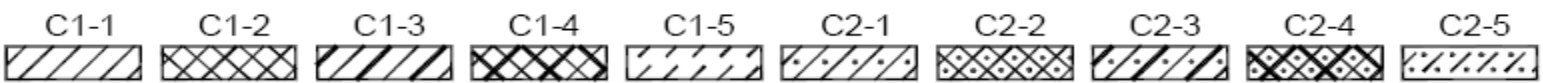
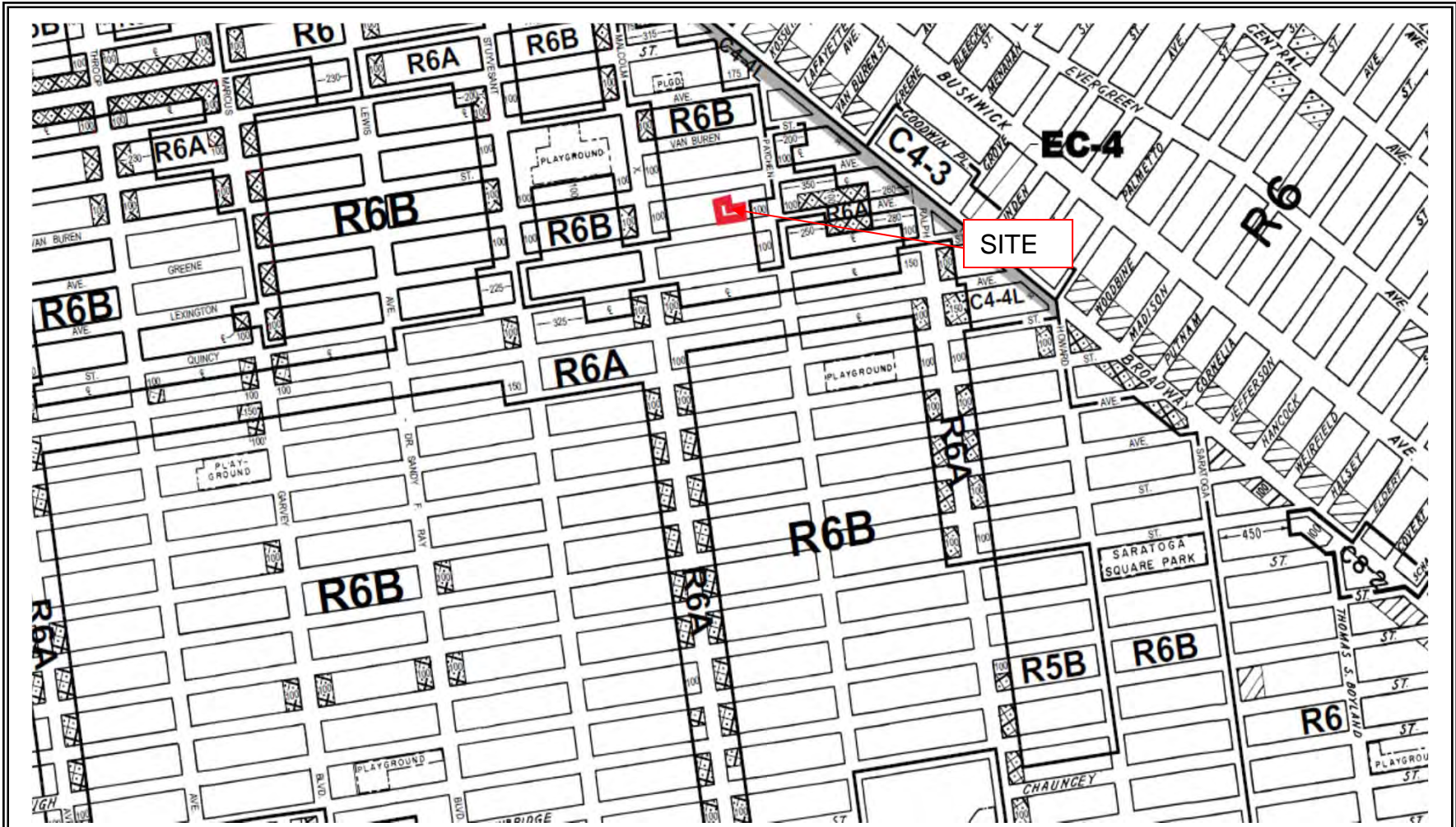
Appendix 15.1  
Site Vicinity Map



811-817 Lexington Avenue, Brooklyn, NY 11221  
 NYC OASIS

Appendix 15.1  
 Tax Map





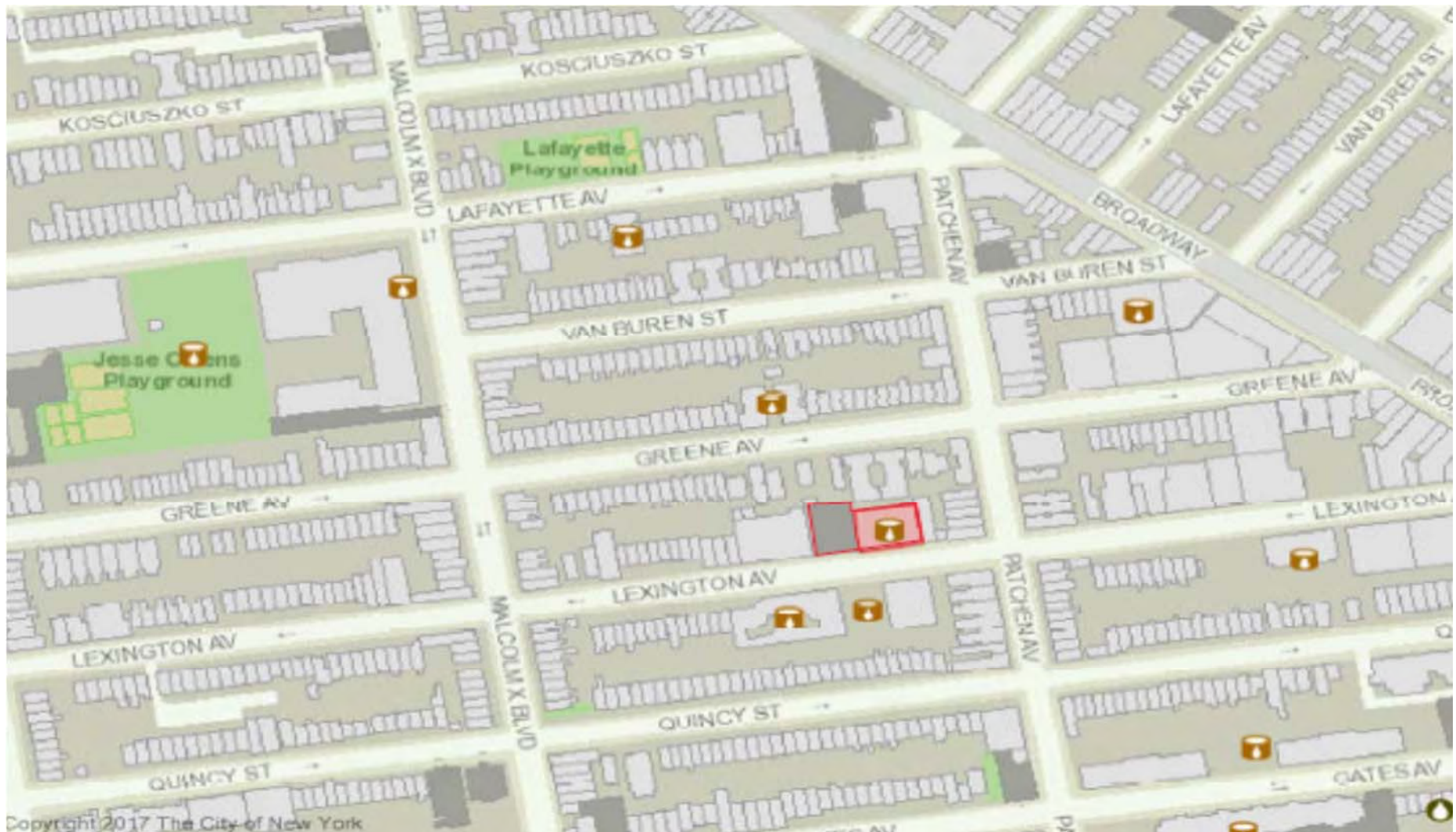
**NOTE:** Where no dimensions for zoning district boundaries appear on the zoning maps, such dimensions are determined in Article VII, Chapter 6 (Location of District Boundaries) of the Zoning Resolution.



811-817 Lexington Avenue, Brooklyn, NY 11221  
 NYC Department of Planning- Map 17a

Appendix 15.1  
 Zoning Map

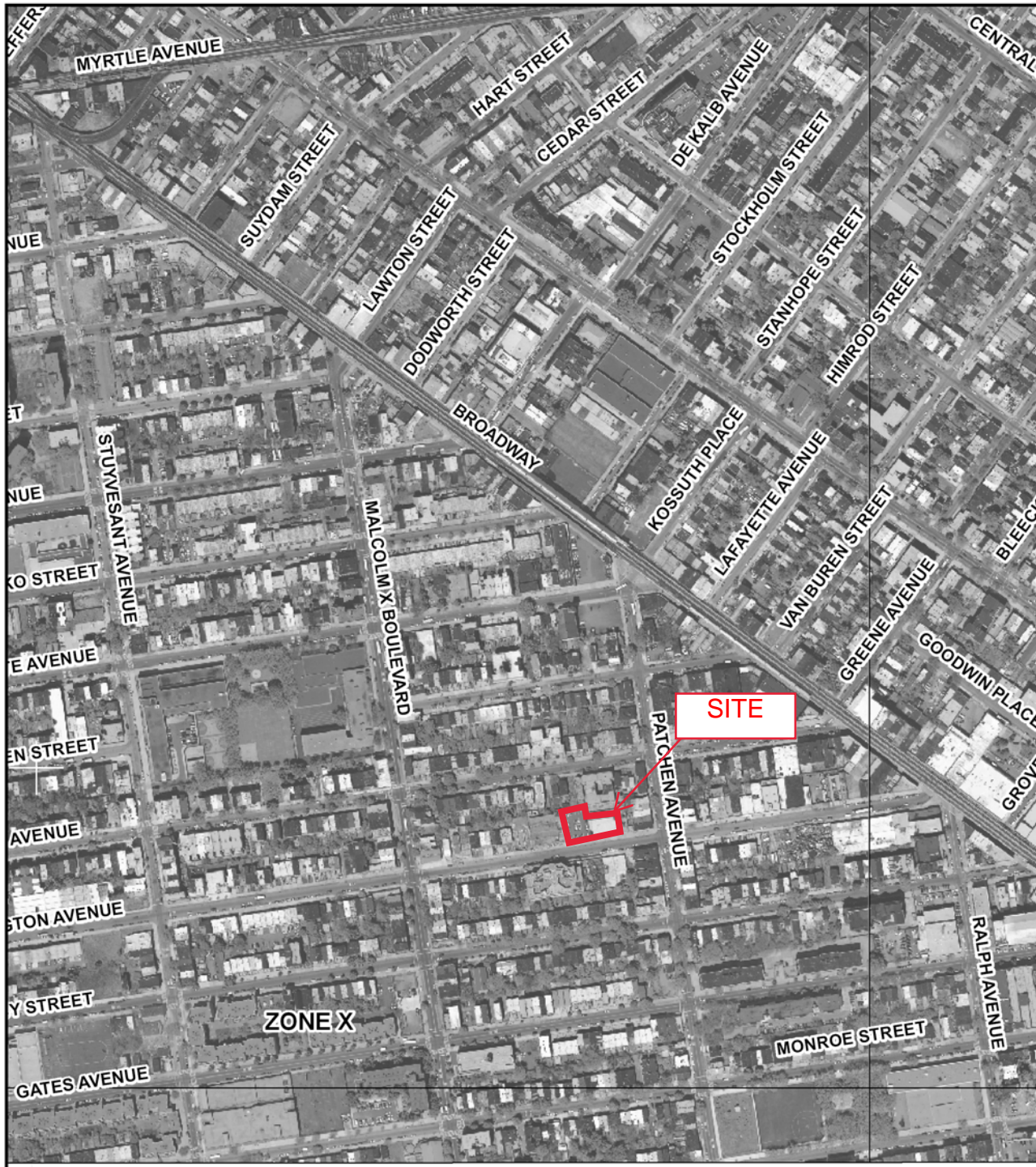
811-817 Lexington Avenue, Brooklyn, NY 11221



**Governmental Environmental Databases**

- E NYC E-Designation Sites (E)
- NYS Brownfield and Voluntary Cleanup Program Sites (BCP/VCP)
- NYS Hazardous Waste Sites (HW)
- NYS Open Petroleum Spill Locations
- NYS Chemical Bulk Storage Sites (CBS)

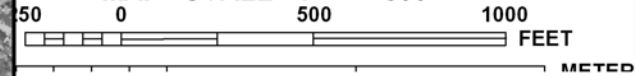
- NYS Petroleum Bulk Storage Sites (PBS)
- NYS Major Oil Storage Facilities (MOSF)
- NYS Resource Conservation & Recovery Act Facilities (RCRA)
- NYS Solid Waste Facilities (SW)
- US National Priority List Sites (NPL)
- US National Priority List Sites (NPL-Area)



Flood insurance is available in this community, contact your local National Flood Insurance Program at 1-800-638-6620.



MAP SCALE 1" = 500'



NIP

PANEL 0208F

# FIRM

FLOOD INSURANCE RATE MAP

CITY OF  
**NEW YORK,  
 NEW YORK**  
 BRONX, RICHMOND, NEW YORK,  
 QUEENS, AND KINGS COUNTIES

PANEL 208 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0208	F

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER  
 3604970208F

MAP REVISED  
 SEPTEMBER 5, 2007



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



November 3, 2017

**Wetlands**

- |   |                                |   |                                   |   |          |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|   |                                |  | Freshwater Pond                   |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

**APPENDIX 15.2**  
**SITE PHOTOGRAPHS**





The Subject Property- 811-817 Lexington Avenue (Lot 51)



Northern façade



Eastern façade



Western façade



Asphalt-paved parking area (Lot 56)



Parking lot- Security post



View of one of two staircases



Main roof



First floor- southern portion of the subject building



First floor- northern portion of the subject building



Second floor- main area



Second floor- bathroom



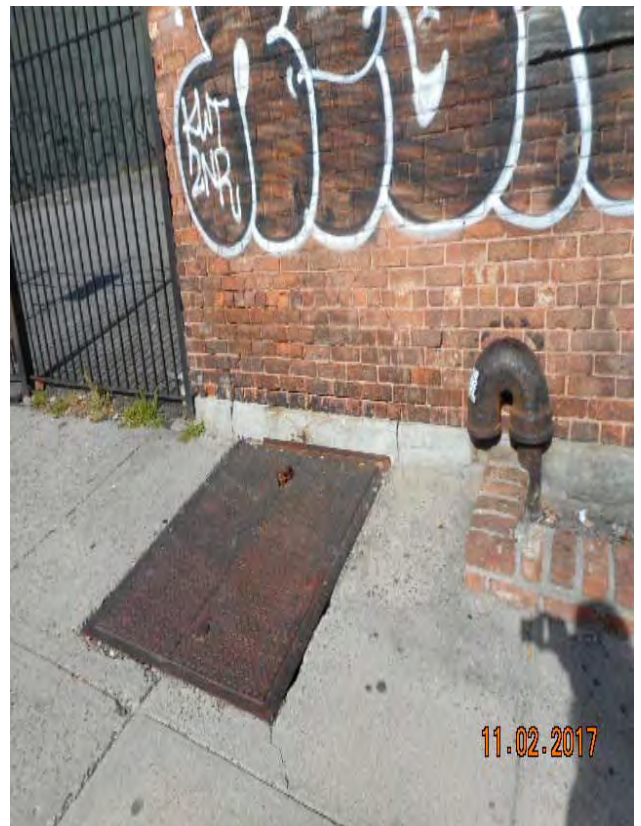
First floor- electrical panels



Second floor- typical space heater



Second floor-floor drain



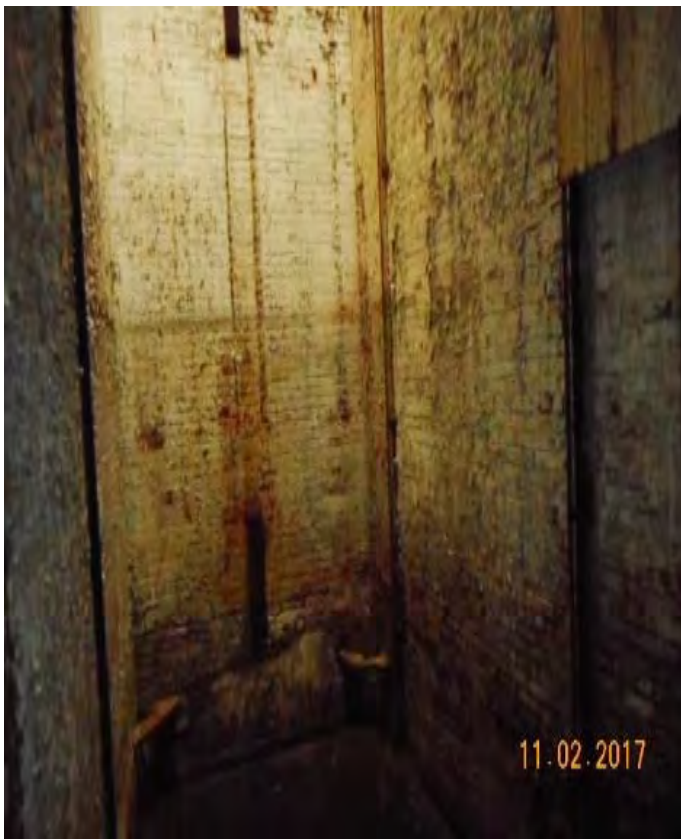
Lexington Avenue sidewalk- entrance to basement



First floor- visible mold growth



First floor- evidence of water intrusion



First floor- view of elevator shaft



First floor- standing water in the empty elevator shaft



First floor-building debris



First floor-building debris



Adjacent multi-family residential building to the north



Adjacent residential buildings to the north



Adjacent church to the south



Adjacent rehabilitation center to the south



Adjacent vacant lot to the east

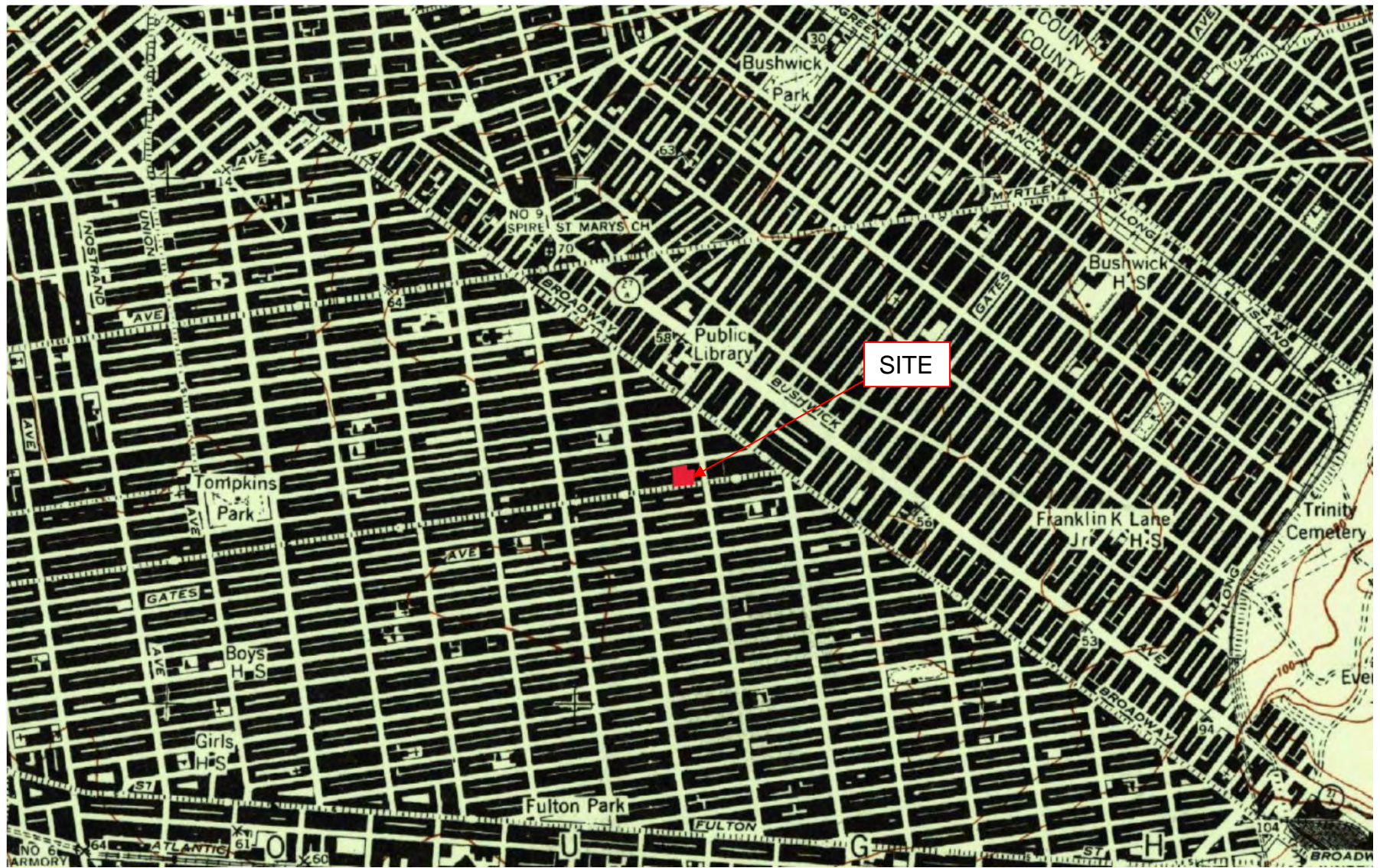


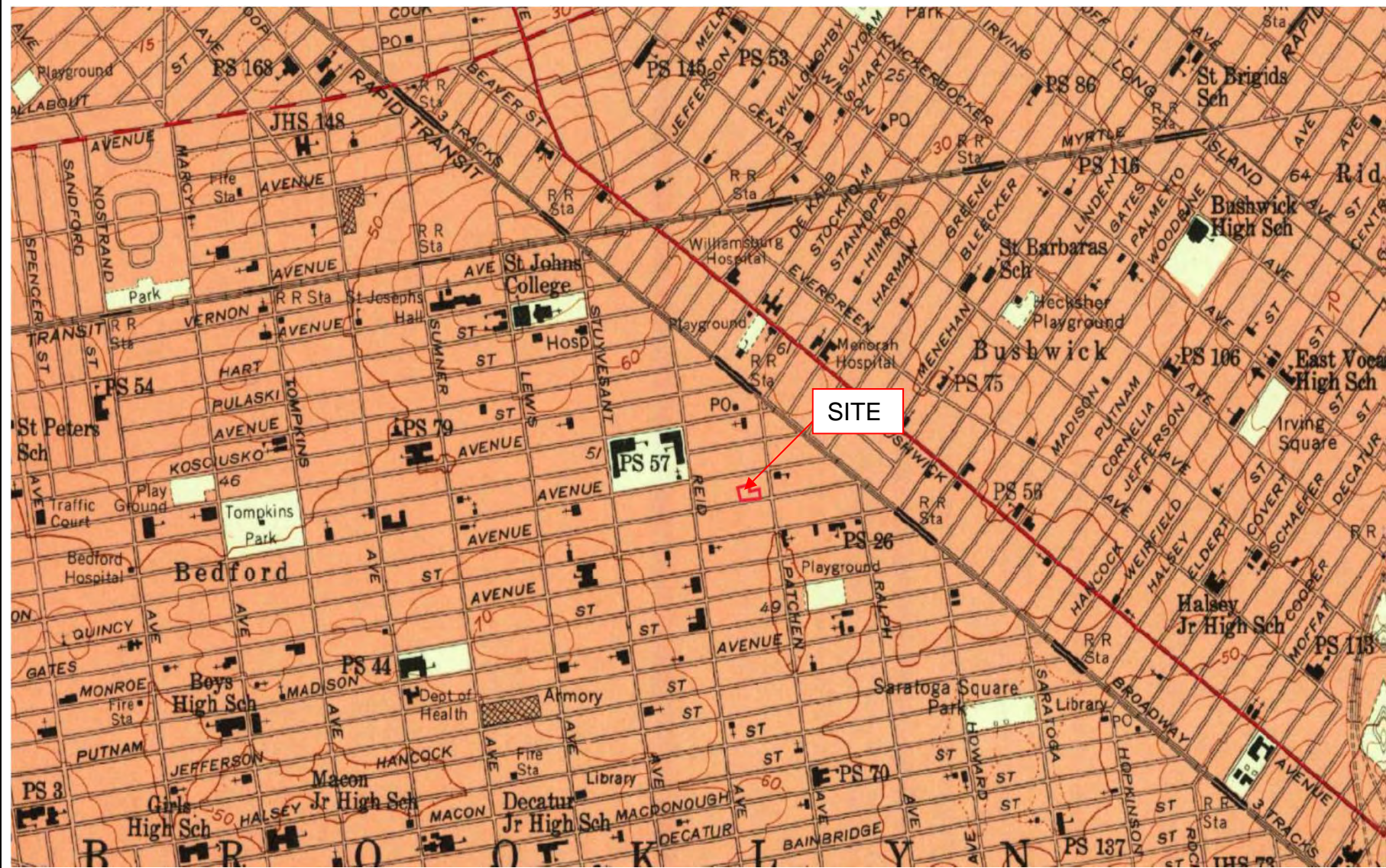
Adjacent property to the west

**APPENDIX 15.3**  
**HISTORICAL RESEARCH DOCUMENTATION**

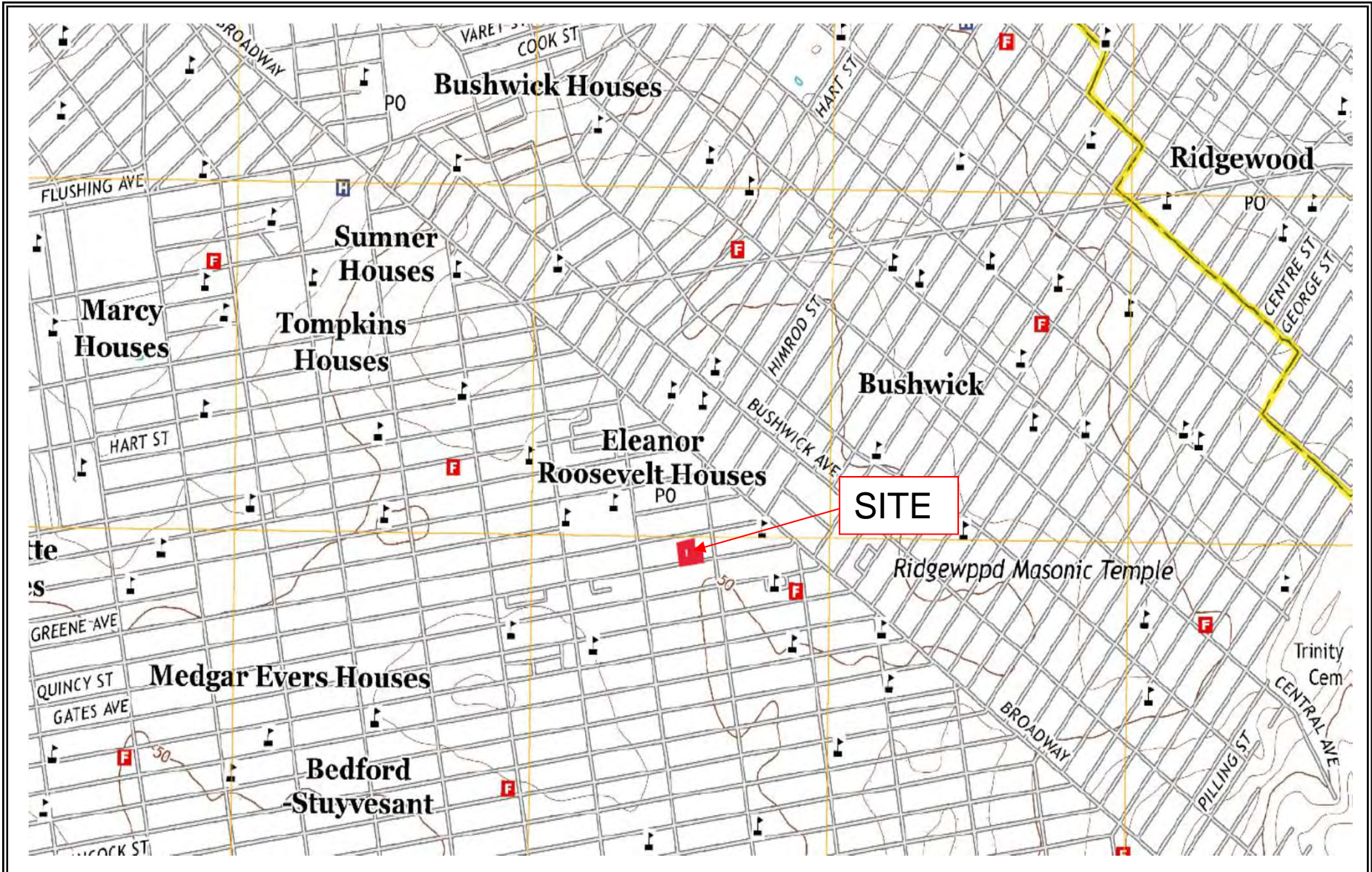












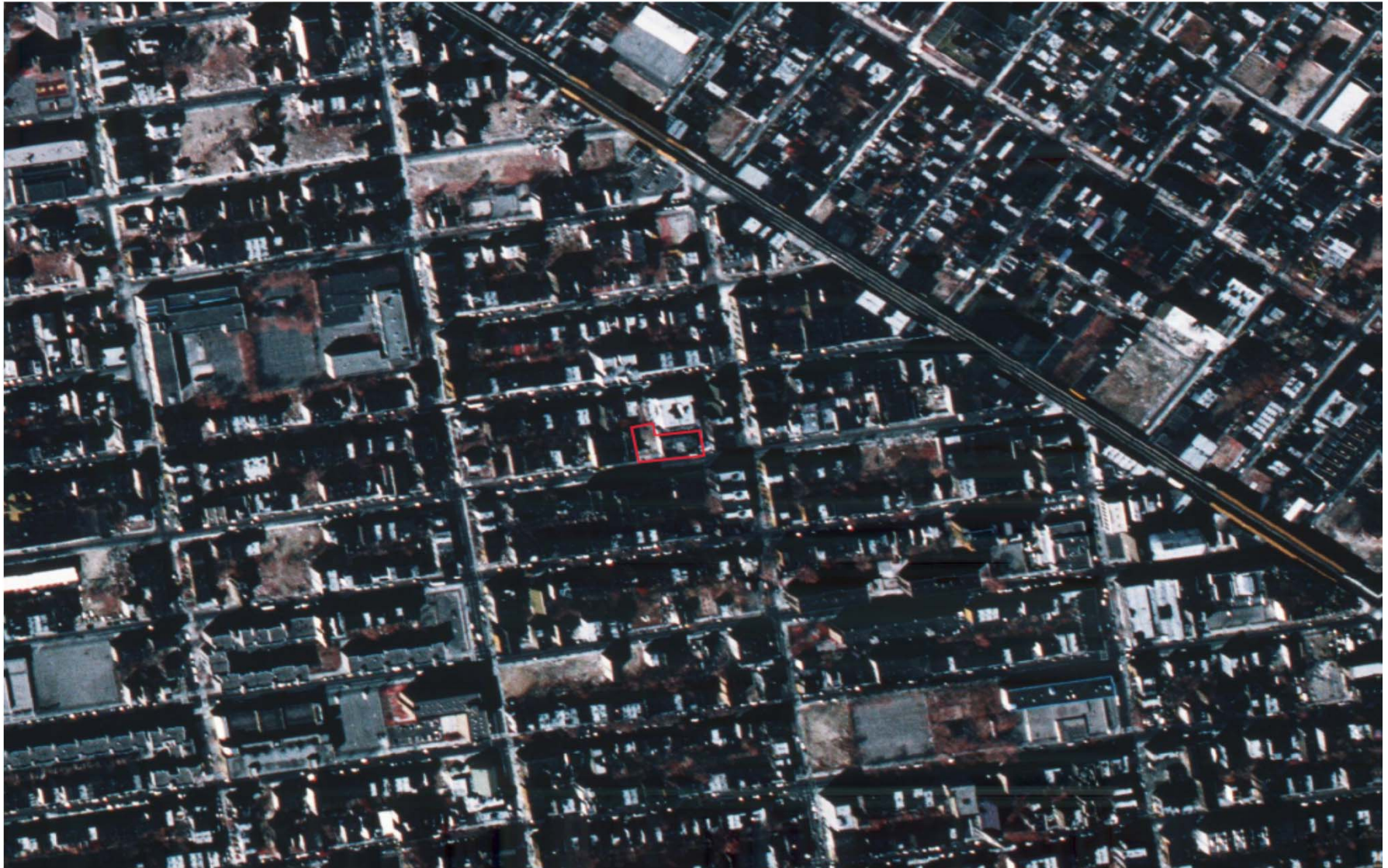








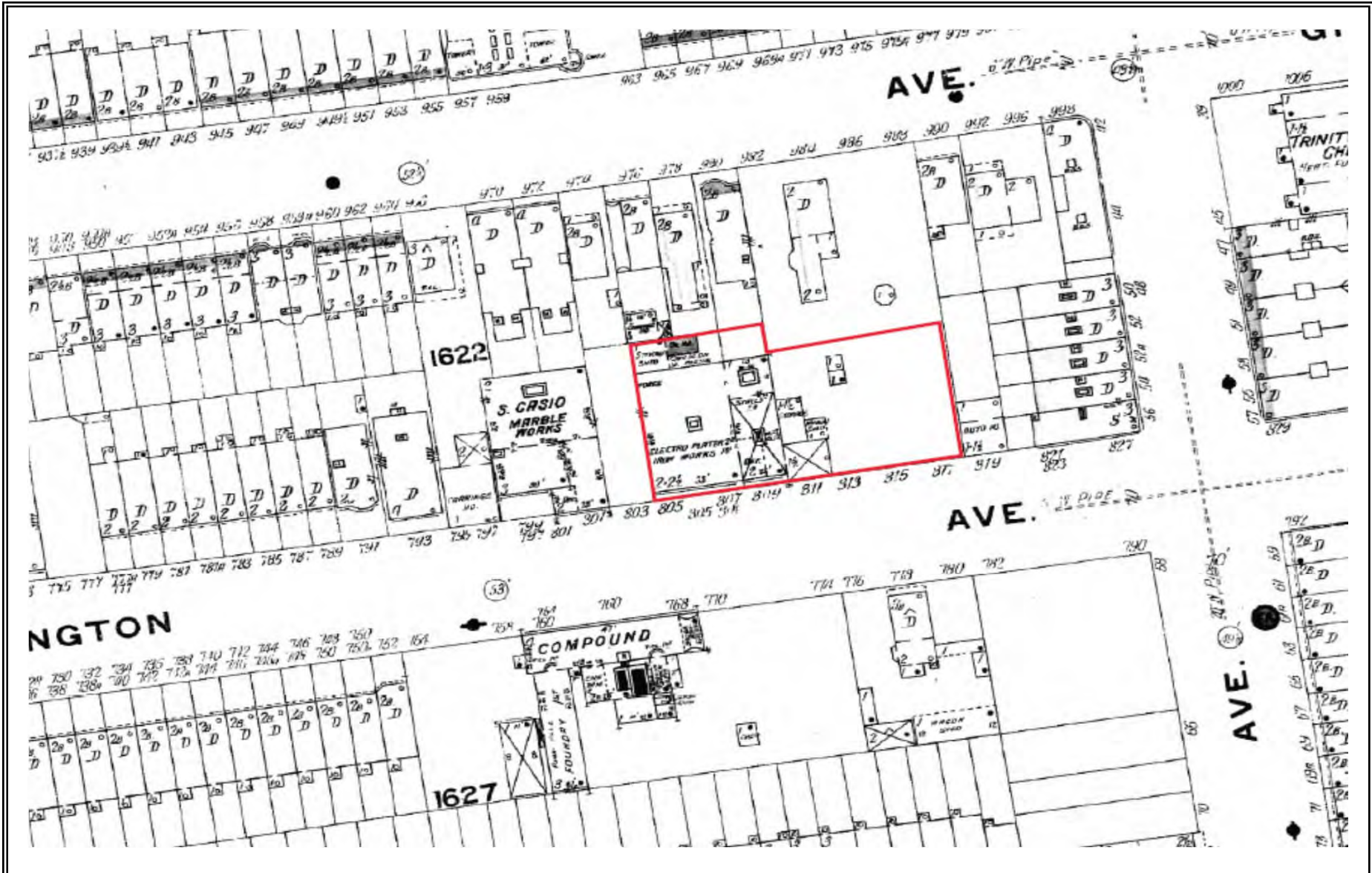


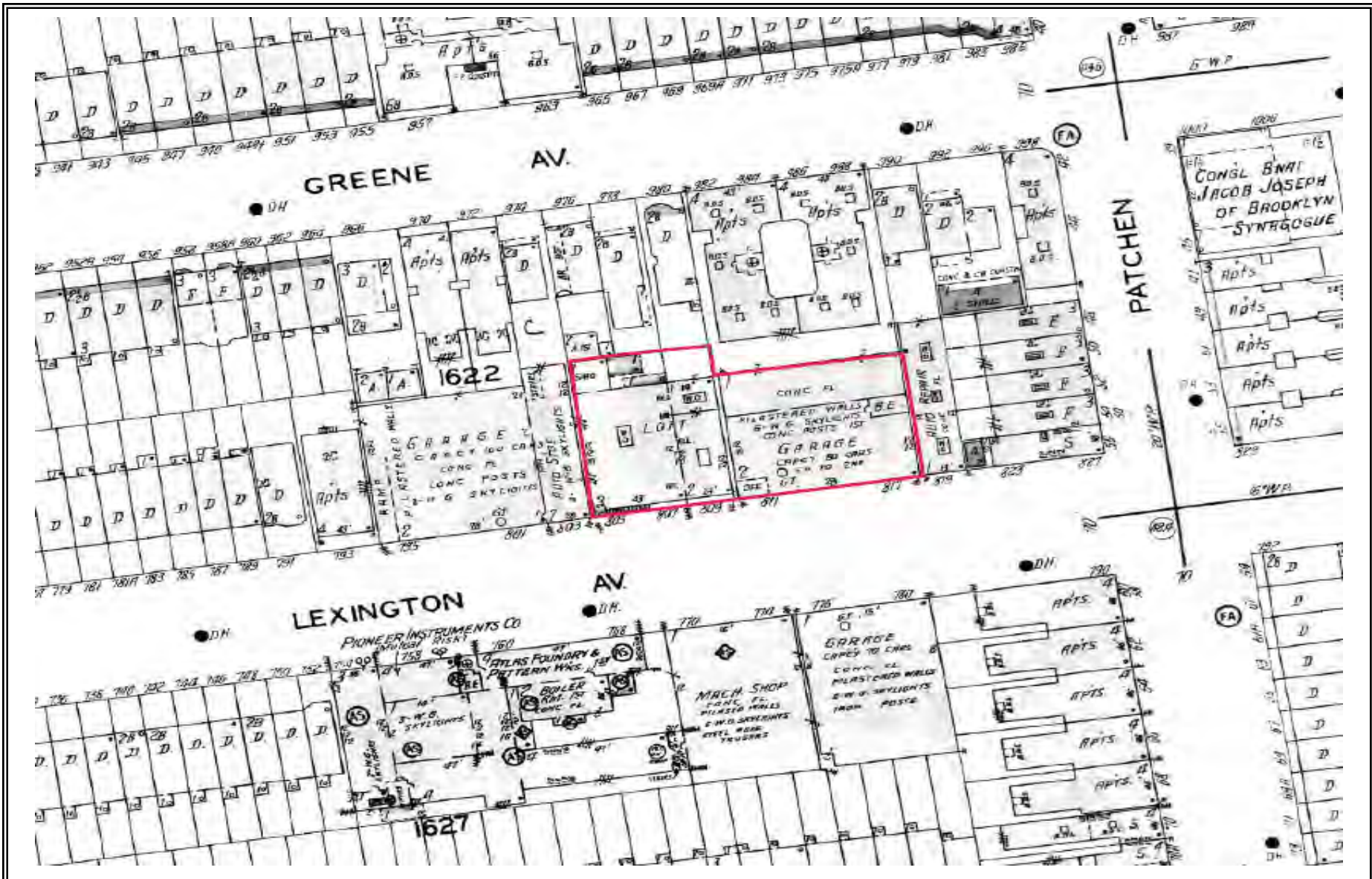


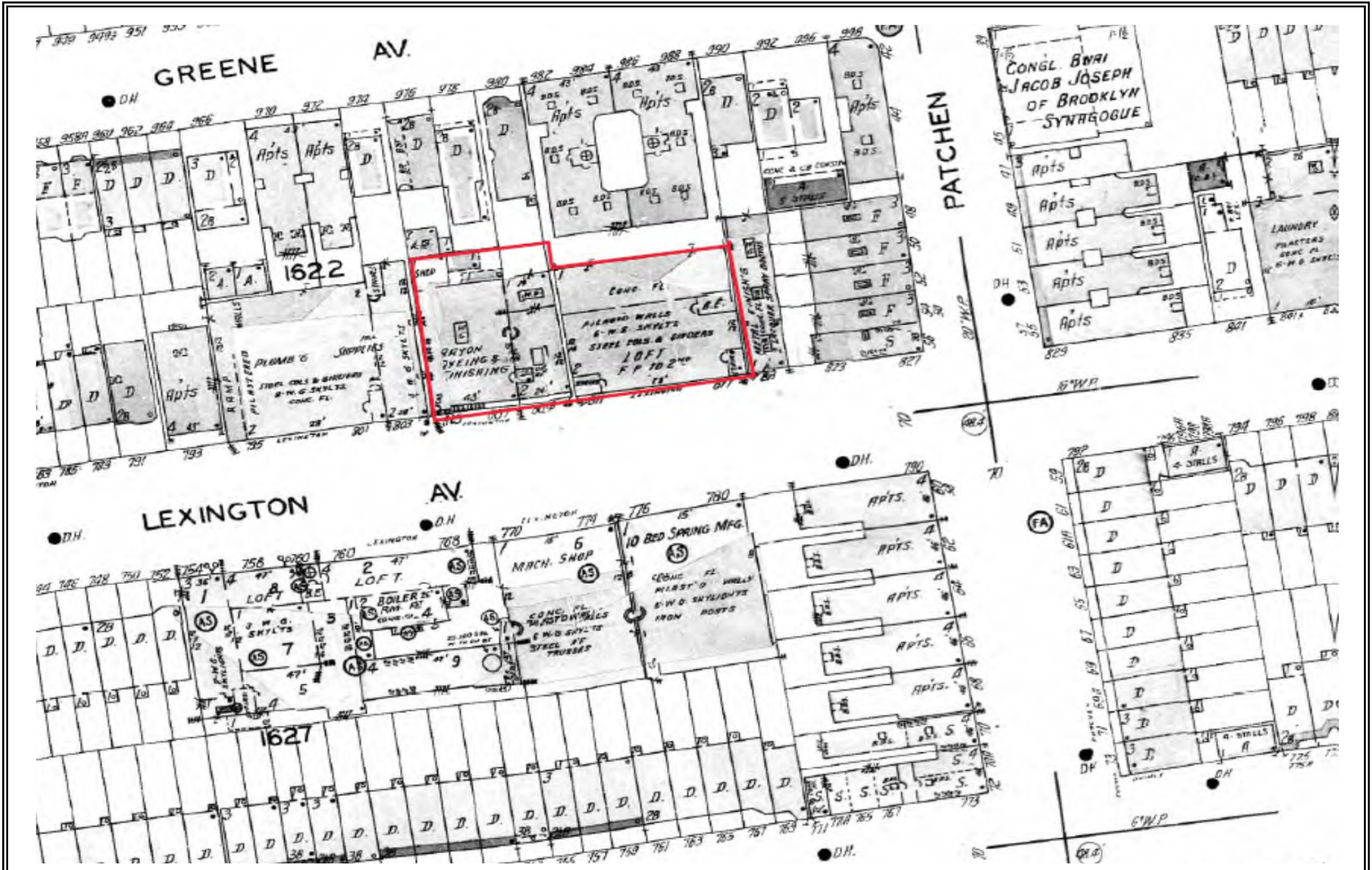










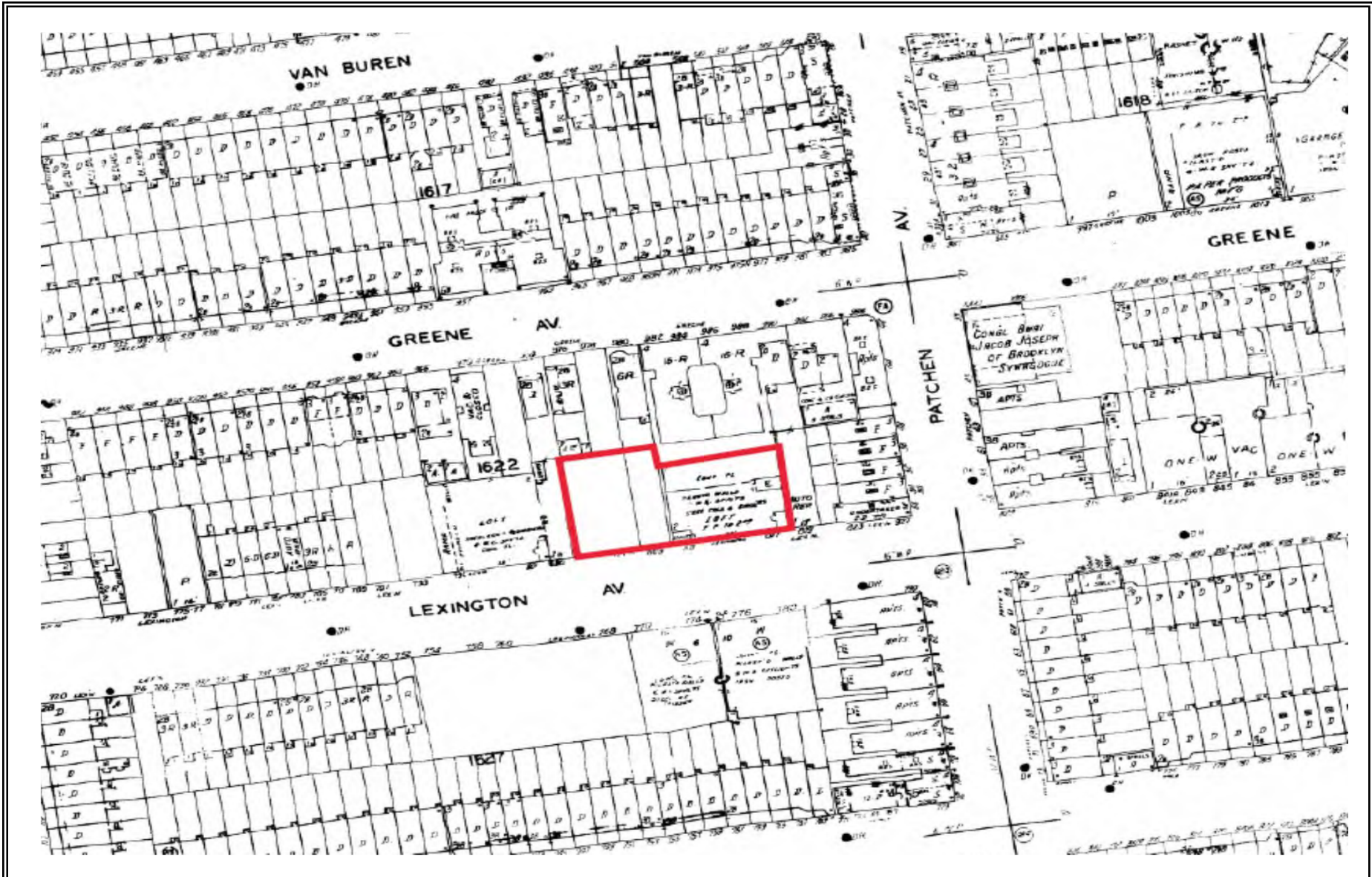


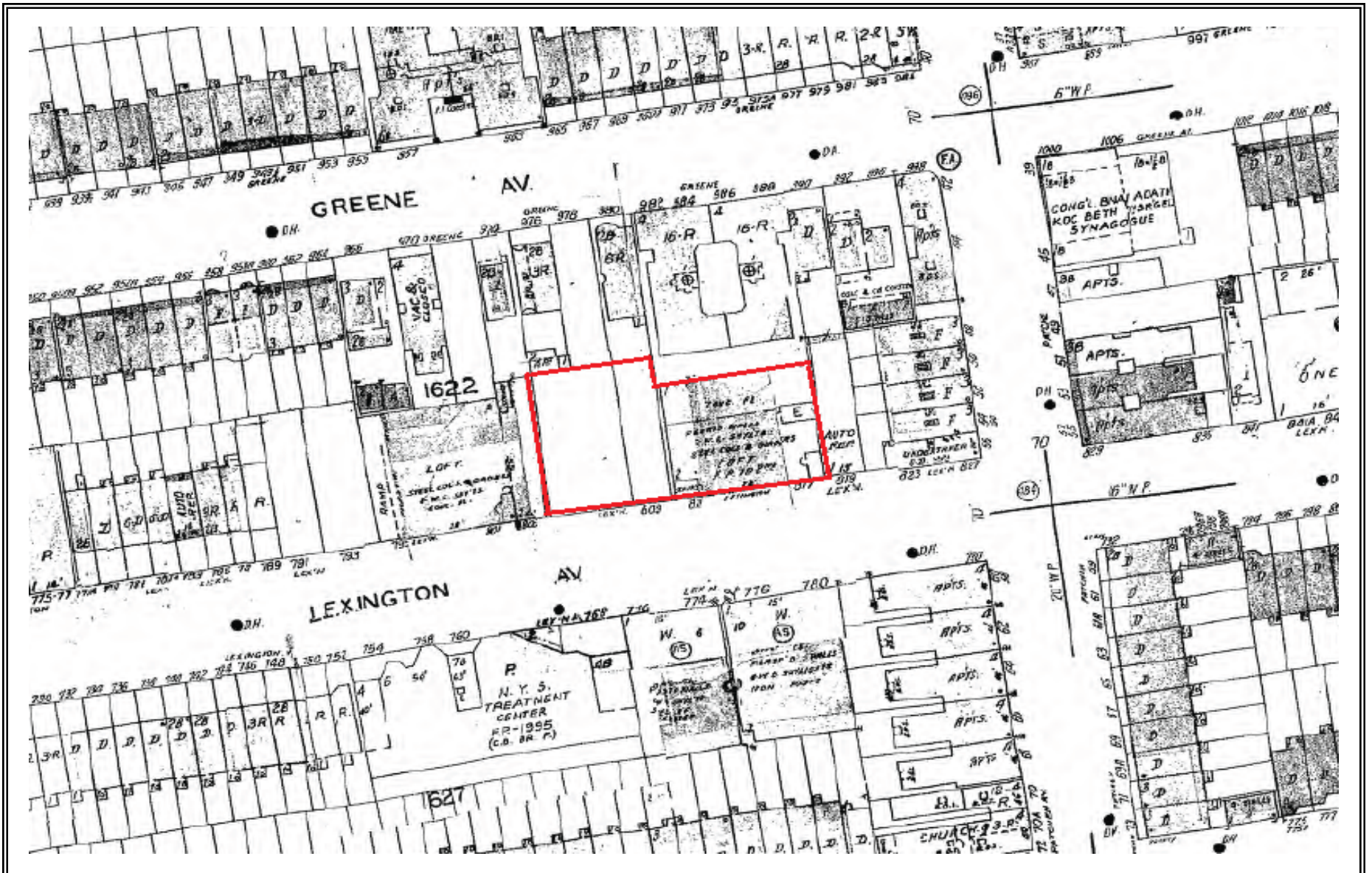


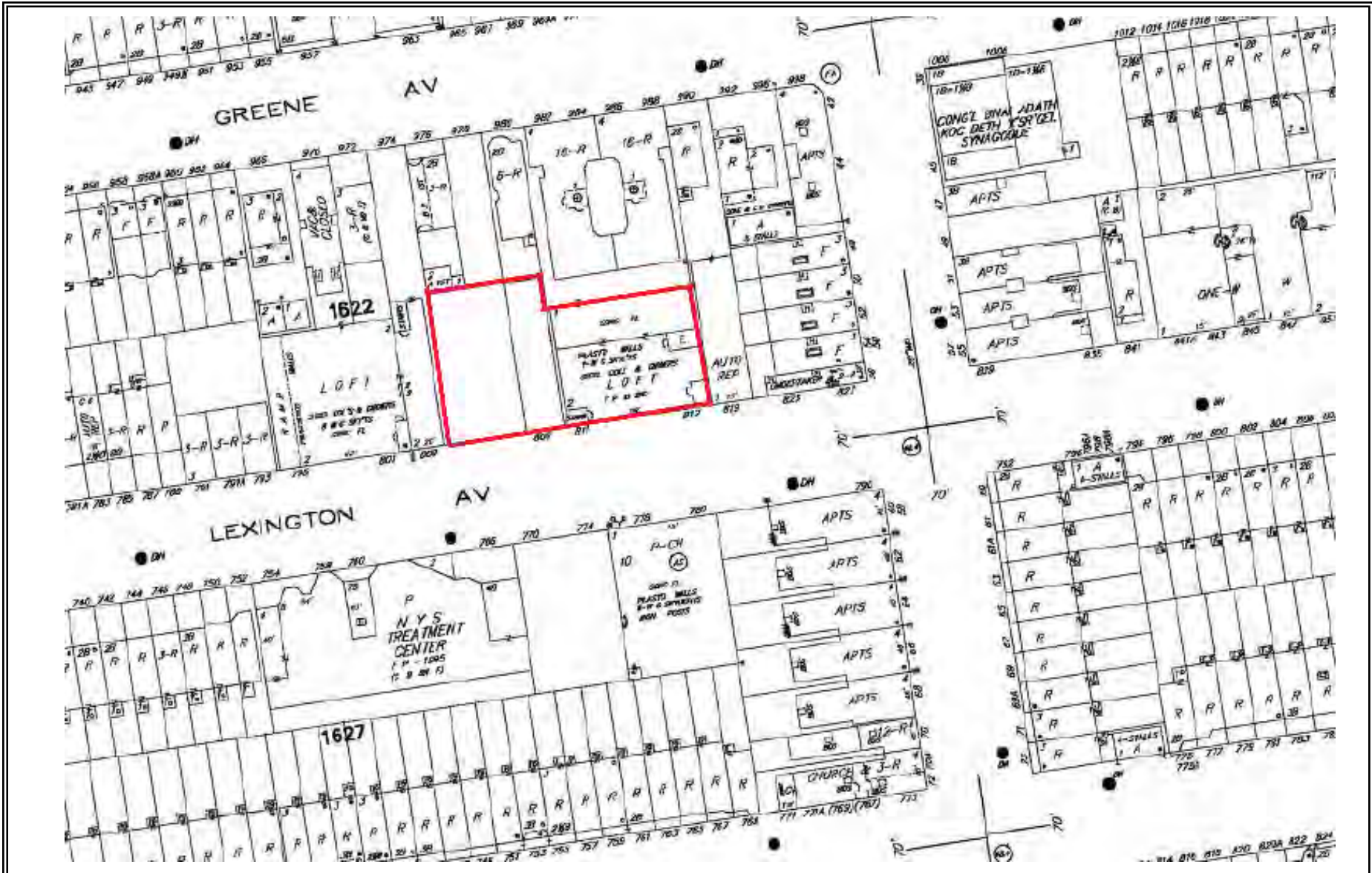












**811-817 Lexington Avenue**

811 Lexington Avenue  
Brooklyn, NY 11221

Inquiry Number: 5090931.5  
October 30, 2017

# The EDR-City Directory Abstract

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 200 feet of the target property.

A summary of the information obtained is provided in the text of this report.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

**infoUSA**<sup>®</sup>

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2005	Hill-Donnelly Corporation	-	X	X	-
2000	Cole Information Services	-	X	X	-
1997	NYNEX	X	X	X	-
1992	NYNEX Information Resource Co.	X	X	X	-
1985	NYNEX Information Resources Company	X	X	X	-
1980	New York Telephone	X	X	X	-
1976	New York Telephone	X	X	X	-
1973	New York Telephone	X	X	X	-
1970	New York Telephone	-	X	X	-
1965	New York Telephone	-	X	X	-

## EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1960	New York Telephone	-	X	X	-
	New York Telephone Company	-	X	X	-
1949	New York Telephone Company	X	X	X	-
1945	New York Telephone	-	X	X	-
1940	New York Telephone	X	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
1928	New York Telephone	X	X	X	-

## EXECUTIVE SUMMARY

### SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
817 Lexington Avenue	Client Entered	

# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

811 Lexington Avenue  
Brooklyn, NY 11221

### FINDINGS DETAIL

Target Property research detail.

## LEXINGTON AVE

### 811 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1997	Brandied Fruit Co	NYNEX
	Mars Fudge & Fruit Co Inc	NYNEX
1992	BRANDIED FRUIT CO	NYNEX Informantion Resource Co.
	MARS FUDGE & FRUIT CO INC	NYNEX Informantion Resource Co.
1985	BRANDIED FRUIT CO	NYNEX Information Resources Company
	MARS FUDGE & FRUIT CO INC	NYNEX Information Resources Company
1980	MARS FUDGE & FRUIT CO INC	New York Telephone
1976	BRANDIED FRUIT CO	New York Telephone
	MARS FUDGE & FRUIT COINE	New York Telephone
1973	Brandied Fruit Co	New York Telephone
	Mars Fudge & Fruit Co Inc	New York Telephone
1949	Kings Electronics Co	New York Telephone Company
	Sunshine Laundry The	New York Telephone Company
1940	Palace Garage	New York Telephone
	Salsberg M trukg	New York Telephone
1928	PALACE GARAGE	New York Telephone

## Lexington Avenue

### 817 Lexington Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
-------------	-------------	---------------

## FINDINGS

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

#### Lexington Ave

##### 754 Lexington Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ALCOHOLISM & SUBSTANCE ABUSE DE MALDONADO CARMEN R	EDR Digital Archive EDR Digital Archive
	ALCOHOLISM & SUBSTANCE ABUSE DE MALDONADO CARMEN R	EDR Digital Archive EDR Digital Archive
2010	ALCOHOLISM SUBSTANCE ABUSE SVCS NYS OFF ALCHLISM SBSTNCE ABUSE	EDR Digital Archive EDR Digital Archive
	ALCOHOLISM SUBSTANCE ABUSE SVCS NYS OFF ALCHLISM SBSTNCE ABUSE	EDR Digital Archive EDR Digital Archive

#### LEXINGTON AVE

##### 760 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	MATERNALLY YOURS SHOPS APPAREL STORES	New York Telephone
1934	ATLAS FOUNDRY CO CASTINGS AND PATTERNS	R. L. Polk & Co.
	ATLAS PATTERN & MODEL WORKS	R. L. Polk & Co.
1928	ATLAS PATTERN & MODEL WKS	New York Telephone

##### 770 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Wesley D	Hill-Donnelly Corporation
1992	WEISS JERRY A ATTY MILLER ROBERT J ATTY METAL COLORS INC FALCONE LUCILLE ATTY BLUTRICH MICHAEL ATTY	NYNEX Informantion Resource Co. NYNEX Informantion Resource Co. NYNEX Informantion Resource Co. NYNEX Informantion Resource Co. NYNEX Informantion Resource Co.
1985	WEISS JERRY A ATTY MILLER ROBERT J ATTY METAL COLORS INC FALCONE LUCILLE ATTY	NYNEX Information Resources Company NYNEX Information Resources Company NYNEX Information Resources Company NYNEX Information Resources Company

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	BLUTRICH MICHAEL ATTY	NYNEX Information Resources Company
1976	METAL COLORS INC	New York Telephone
1970	Metal Colors Inc	New York Telephone
1965	Metal Colors Inc	New York Telephone
1960	METAL COLORS INC	New York Telephone
1949	Kaybe Mfg Co machy	New York Telephone Company
1928	WM H GARAGE	New York Telephone

### Lexington Ave

#### 778 Lexington Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CALVARY SEVENTH DAY	EDR Digital Archive
	CALVARY SEVENTH DAY	EDR Digital Archive
2010	CALVARY SEVENTH DAY	EDR Digital Archive
	CALVARY SEVENTH DAY	EDR Digital Archive

### LEXINGTON AVE

#### 778 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Calvary Seventh Day	Hill-Donnelly Corporation
1973	Adler Bed Spring Colnc	New York Telephone
1970	Adler Bed Spring Co Inc	New York Telephone
1965	Adler Bed Spring Co Inc	New York Telephone
1960	ADLER BED SPRING CO INC	New York Telephone
1949	Adler Bed Spring Co Inc	New York Telephone Company
1934	WILSON WM H H	R. L. Polk & Co.
	WILSON FRANK LAB H	R. L. Polk & Co.
	LEX PATCHEN GARAGE	R. L. Polk & Co.
1928	LEX PATCHEN GARANGE	New York Telephone

#### 788 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	COMMUNITY OPTICIANS	New York Telephone
1934	MORAN AGNES R	R. L. Polk & Co.

## FINDINGS

### Lexington Ave

#### 795 Lexington Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ST JOHNS BREAD LF PROGRAM INC	EDR Digital Archive
	ST JOHNS BREAD LF PROGRAM INC	EDR Digital Archive
2010	CITYWIDE FURNITURE	EDR Digital Archive
	ST JOHNS BREAD LF PROGRAM INC	EDR Digital Archive
	SIGNATURE MATTRESS INC	EDR Digital Archive
	CITYWIDE FURNITURE	EDR Digital Archive
	ST JOHNS BREAD LF PROGRAM INC	EDR Digital Archive
	SIGNATURE MATTRESS INC	EDR Digital Archive

#### 801 Lexington Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	A SECURITY LOCK CONTROL SYSTEM	EDR Digital Archive
	A SECURITY LOCK CONTROL SYSTEM	EDR Digital Archive

### LEXINGTON AVE

#### 803 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	RANBRO WIRE & METAL PRODS CORP	New York Telephone
1934	EDGHILL LYDIA H	R. L. Polk & Co.
1928	BAETZ AUTOMOTIVE SERVICE	New York Telephone
	PHILIP S BATTERY SERV	New York Telephone

#### 805 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	P & F CLOAK & SUIT CO INC	New York Telephone
	AGEE RIBBON DYERS INC	New York Telephone
	AMER DYEING & FINISHG CO	New York Telephone
	VIRUNIT RUBBR MFG CO	New York Telephone
1949	Amer Dyeing & Finishing Co	New York Telephone Company
1945	Amer Dyeing & Finishing Co	New York Telephone
1940	Amer Dyeing & Finishing Co	New York Telephone

#### 807 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	GOINES LUCILLE NURSE H	R. L. Polk & Co.
	PEARLMAN VICTOR BLVD PANTS	R. L. Polk & Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	ROBBINS GUSTANCE LAB H	R. L. Polk & Co.
	SCHOR LOUIS INFANTS WEAR MFS	R. L. Polk & Co.
1928	SCHOR LOUIS BOYS RMPRS	New York Telephone

### 809 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	POPPKE HARRY METAL STAMPING	R. L. Polk & Co.
1928	NEW PROCESS HEATING CORP	New York Telephone
	TOY & NOVELTY ENGINEERING CO	New York Telephone

### Lexington Ave

#### 819 Lexington Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	POULAKAKOS FAMILY PROVS LLC	EDR Digital Archive
	POULAKAKOS FAMILY PROVS LLC	EDR Digital Archive

### LEXINGTON AVE

#### 819 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	TWO LTL INDNS INC	Cole Information Services
1997	Two Little Indians Inc	NYNEX
1992	Q BUS LINE INC	NYNEX Informantion Resource Co.
	Q-BUS LINE INC VAN & AUTO REPAIR CENTER	NYNEX Informantion Resource Co.
1985	LEXINGTON COLLISION CENTER	NYNEX Information Resources Company
1973	Prime Plating Works Inc	New York Telephone
1970	Prime Plating Works Inc	New York Telephone
1965	Prime Plating Works Inc	New York Telephone
1960	PRIME PLATING WORKS INC	New York Telephone
1949	Coml Finishing Co	New York Telephone Company
1940	West Co Express Inc ofc	New York Telephone
1934	BRALTNER CHAS MECH R	R. L. Polk & Co.
	BRALTNER GLADYA CLK R	R. L. Polk & Co.
	BRALTNER VERA CLK R	R. L. Polk & Co.
	CINCIKUS CHAS R	R. L. Polk & Co.
	BRALTNER AUGUSTA CLK H	R. L. Polk & Co.
	AUGUST STANLEY R	R. L. Polk & Co.
	AUGUST FRANK AUTO REPR H DO	R. L. Polk & Co.



## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1928	PALMER GEA E AUTO REPRS	New York Telephone

### 821 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	WHITE J	NYNEX Information Resources Company

### 823 LEXINGTON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	WINSLOW LEONORA	New York Telephone
1973	Winslow Leonora	New York Telephone
1960	LUCIANO J R	New York Telephone
1940	Riday J Wesley	New York Telephone
1928	BARNWELL CATHERINE R	New York Telephone

### PATCHEN AVE

#### 50 PATCHEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	No Current Listing	Hill-Donnelly Corporation
2000	JANICE OLIVER	Cole Information Services
	RENEE BROWN	Cole Information Services
1992	POTTER DONALD	NYNEX Informantion Resource Co.
1985	POTTER DONALD	NYNEX Information Resources Company
1976	POTTER DONALD	New York Telephone
1973	Frederick B	New York Telephone
	Singleton Nelson	New York Telephone
1970	Blunt Jule	New York Telephone
	Shanchuk Olga	New York Telephone
	Singleton Nelson	New York Telephone
1965	Blunt Jule	New York Telephone
	Jones Trudo	New York Telephone
	Shanchuk Olga	New York Telephone
1960	Blunt Jule	New York Telephone Company
	Jones Trudo	New York Telephone Company
	Shanchuk Olga	New York Telephone Company
1949	Blunt Jule	New York Telephone Company
1945	Zelnick Helen	New York Telephone
1934	EDWARDS ALF PRINTER H	R. L. Polk & Co.
	EDWARDS VIOLET CLK R	R. L. Polk & Co.
	RADZEWIEIUS KATH H	R. L. Polk & Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	ROGERS CHAS MECH R	R. L. Polk & Co.
	ROGERS MARGT E MANICURIST R	R. L. Polk & Co.
	WISNESKA WANDA CLK R	R. L. Polk & Co.
	WISNISKA ALBERT H	R. L. Polk & Co.

### 52 PATCHEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Currie Jahjah	Hill-Donnelly Corporation
	Laqlsha Kellam	Hill-Donnelly Corporation
1992	SPRUILL ESTHER	NYNEX Informantion Resource Co.
1976	BOOKMAN WILLIAM	New York Telephone
	HOUSE JL	New York Telephone
1973	Del Toro Lillian	New York Telephone
1960	Randolph Rosalie	New York Telephone Company
1949	Alfano Gloria B	New York Telephone Company
1945	Alfano Gloria B	New York Telephone
1940	Jung Robt W	New York Telephone
1934	JUNG ROBT W OPR H	R. L. Polk & Co.
	RIDAY JOHN W TAXIDRIVER H	R. L. Polk & Co.
	SCHWARTZ LAURA R	R. L. Polk & Co.
	SCHWARTZ ROBT SLSMN H	R. L. Polk & Co.

### 54 PATCHEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	HGayle GN	Hill-Donnelly Corporation
2000	GREGORY GAYLE	Cole Information Services
	IDEMUDIA I INOMWAN	Cole Information Services
	ANTHONY MC DONALD	Cole Information Services
	CHARLES WEBB	Cole Information Services
1997	GARRETT D	NYNEX
	GAYLE Gregory	NYNEX
	GOODRICH Tanya L	NYNEX
	QUADUCE Khalid Abdul	NYNEX
1985	DRAKE CARLSTON	NYNEX Information Resources Company
	DRAKE D	NYNEX Information Resources Company
1980	DRAKE CARLSTON	New York Telephone
1976	DRAKE CARLSTON	New York Telephone
1973	Howard Jos	New York Telephone
1970	Drake S E	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Howard Jos	New York Telephone
1965	Howard Jos	New York Telephone
	Rogers Nathl	New York Telephone
1960	Drake Alfred H	New York Telephone Company
	Howard Jos	New York Telephone Company
	Williams Gloria	New York Telephone Company
1934	RICH HERMAN SLSMN H	R. L. Polk & Co.
	WYLER ALBERT H	R. L. Polk & Co.
	WYLER MARY R	R. L. Polk & Co.
	WYLER ROSE R	R. L. Polk & Co.

### 56 PATCHEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	h Winslow Erma	Hill-Donnelly Corporation
2000	ERRNA WINSLOW	Cole Information Services
1997	WINSLOW Erma	NYNEX
1992	WINSLOW KERMIT J	NYNEX Informantion Resource Co.
	WINSLOW ERMA	NYNEX Informantion Resource Co.
1985	WINSLOW ERMA	NYNEX Information Resources Company
	WINSLOW KERMIT J	NYNEX Information Resources Company
1980	WINSLOW ERMA	New York Telephone
	WINSLOW KERMIT J	New York Telephone
1973	WINSLOW KERMIT J FUNERAL HOME	New York Telephone
1970	WINSLOW KERMIT J FUIEBRAL HOME	New York Telephone
1965	WINSLOW KERMIT J FUNERAL HOME	New York Telephone
1960	WINSLOW KERMIT J FUNERAL HOME	New York Telephone Company
1949	Fishman N	New York Telephone Company
	Sanitary Packing Co	New York Telephone Company
1945	Fishman N	New York Telephone
	Sanitary Packing Co	New York Telephone
1934	BRIER BENJ CLK & SUIT CONTR	R. L. Polk & Co.
	FISHMAN NATHAN GRO H DO	R. L. Polk & Co.

### 60 PATCHEN AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Alden Tamara	Hill-Donnelly Corporation
	h Lewis Annie	Hill-Donnelly Corporation
	ULorens Leticia	Hill-Donnelly Corporation
	h Watson Alicia	Hill-Donnelly Corporation

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	APARTMENTS	Cole Information Services
	R KENNETH HINDS	Cole Information Services
	ANNIE LEWIS	Cole Information Services
	2L DONALLA SIMMONS	Cole Information Services
	SAMUEL SMITH	Cole Information Services
1997	LEWIS Annie	NYNEX
	SMITH Saml	NYNEX
1992	WASHINGTON RONALD	NYNEX Informantion Resource Co.
	SIMMONS DONELLA	NYNEX Informantion Resource Co.
	LINGARD TYRONE	NYNEX Informantion Resource Co.
	LEWIS ANNIE	NYNEX Informantion Resource Co.
	HINDS KENNETH	NYNEX Informantion Resource Co.
1985	HINDS KENNETH	NYNEX Information Resources Company
1976	WILLIAMS V	New York Telephone
1973	Washington Robt	New York Telephone
	Smith Saml	New York Telephone
	Pickett Geo	New York Telephone
	Kraemer G M	New York Telephone
	Jenkins Eddie	New York Telephone
1970	Kraemer G M	New York Telephone
	Mc Iver Hannibal	New York Telephone
	Pickett Geo	New York Telephone
	Smith Saml	New York Telephone
	Washington Robt	New York Telephone
1965	Ellerbe Dee	New York Telephone
	Kraemer G M	New York Telephone
	Pickett Geo	New York Telephone
	Smith Saml	New York Telephone
	Washington Robt L	New York Telephone
1960	Brown Alexndr	New York Telephone Company
	Ellerbe Dee	New York Telephone Company
	Gagliardi Salvatore	New York Telephone Company
	Harmon Thompson	New York Telephone Company
	Kraemer G M	New York Telephone Company
	Schmidt Geo	New York Telephone Company
1949	Beckerman Jas A	New York Telephone Company
	Schmidt Geo	New York Telephone Company
1945	Schmidt Geo	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Schmidt Geo	New York Telephone
1934	GAGLIARDI SALVATORE LAB H	R. L. Polk & Co.
	SCHMIDT EDW MSNGR R	R. L. Polk & Co.
	SCHMIDT GEO MUSICIAN H	R. L. Polk & Co.
	SCHMIDT GEO JR BKPR R	R. L. Polk & Co.
	SCHMIDT ROBT STUDENT R	R. L. Polk & Co.
	SICILIANO VINCENT MECH H	R. L. Polk & Co.
	VALVARDO CHAS BARBER H	R. L. Polk & Co.

### **PATCHIN AVE**

#### **50 PATCHIN AVE**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	SHANCHUK OLGA	New York Telephone
	BLUNT JULE	New York Telephone
	JONES TRUDO	New York Telephone

#### **52 PATCHIN AVE**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	RANDOLPH ROSALIE	New York Telephone

#### **54 PATCHIN AVE**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	HOWARD JOS	New York Telephone
	DRAKE ALFRED H	New York Telephone
	WILLIAMS GLORIA	New York Telephone

#### **56 PATCHIN AVE**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1992	WINSLOW KERMIT J FUNERAL HOME INC	NYNEX Informantion Resource Co.
1985	WINSLOW KERMIT J FUNERAL HOME INC	NYNEX Information Resources Company
1980	WINSLOW KERMIT J FUNERAL HOME INC	New York Telephone
1976	WINSLOW KERMIT J FUNERAL HOME	New York Telephone
1960	WINSLOW KERMIT J FUNERAL HOME	New York Telephone

#### **60 PATCHIN AVE**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1992	SMITH SAML	NYNEX Informantion Resource Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	SMITH SAML	NYNEX Information Resources Company
1980	SMITH SAML	New York Telephone
1976	SMITH SAML	New York Telephone
	KRAEMER G M	New York Telephone
	PICKETT GEO	New York Telephone
1960	SCHMIDT GEO	New York Telephone
	KRAEMER G M	New York Telephone
	HARMON THOMPSON	New York Telephone
	GAGLIARDI SALVATORE	New York Telephone
	ELLERBE DEE	New York Telephone
	BROWN ALEXNDR	New York Telephone

### **PTCHEN AVE**

#### **50 PTCHEN AVE**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	FREDERICK B	New York Telephone

## FINDINGS

### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

#### Address Researched

811 Lexington Avenue

#### Address Not Identified in Research Source

2014, 2010, 2005, 2000, 1970, 1965, 1960, 1945, 1934

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

#### Address Researched

50 PATCHEN AVE

2014, 2010, 1997, 1980, 1940, 1928

50 PATCHIN AVE

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928

50 PTCHEN AVE

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

52 PATCHEN AVE

2014, 2010, 2000, 1997, 1985, 1980, 1970, 1965, 1928

52 PATCHIN AVE

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928

54 PATCHEN AVE

2014, 2010, 1992, 1949, 1945, 1940, 1928

54 PATCHIN AVE

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928

56 PATCHEN AVE

2014, 2010, 1976, 1940, 1928

56 PATCHIN AVE

2014, 2010, 2005, 2000, 1997, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928

60 PATCHEN AVE

2014, 2010, 1980, 1928

60 PATCHIN AVE

2014, 2010, 2005, 2000, 1997, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928

754 Lexington Ave

2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

754 Lexington Ave

2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

760 LEXINGTON AVE

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940

770 LEXINGTON AVE

2014, 2010, 2000, 1997, 1980, 1973, 1945, 1940, 1934

778 LEXINGTON AVE

2014, 2010, 2000, 1997, 1992, 1985, 1980, 1976, 1945, 1940

778 Lexington Ave

2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

778 Lexington Ave

2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

788 LEXINGTON AVE

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928

## FINDINGS

### **Address Researched**

795 Lexington Ave

795 Lexington Ave

801 Lexington Ave

801 Lexington Ave

803 LEXINGTON AVE

805 LEXINGTON AVE

807 LEXINGTON AVE

809 LEXINGTON AVE

819 LEXINGTON AVE

819 Lexington Ave

819 Lexington Ave

821 LEXINGTON AVE

823 LEXINGTON AVE

### **Address Not Identified in Research Source**

2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2014, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2014, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1934, 1928

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940

2014, 2010, 2005, 1980, 1976, 1945

2010, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2010, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2014, 2010, 2005, 2000, 1997, 1992, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2014, 2010, 2005, 2000, 1997, 1992, 1985, 1980, 1970, 1965, 1949, 1945, 1934



**APPENDIX 15.4**  
**REGULATORY RECORDS DOCUMENTATION**

**811-817 Lexington Avenue**

811 Lexington Avenue

Brooklyn, NY 11221

Inquiry Number: 5090931.2s

October 30, 2017

# The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

811 LEXINGTON AVENUE  
BROOKLYN, NY 11221

#### COORDINATES

Latitude (North): 40.6904900 - 40° 41' 25.76"  
Longitude (West): 73.9282750 - 73° 55' 41.79"  
Universal Transverse Mercator: Zone 18  
UTM X (Meters): 590557.2  
UTM Y (Meters): 4504740.5  
Elevation: 52 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5940597 BROOKLYN, NY  
Version Date: 2013

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150522  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
811 LEXINGTON AVENUE  
BROOKLYN, NY 11221

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FIRST NIGERIAN SEVEN	811 LEXINGTON AVENUE	NY UST		TP
A2	METAL COLORS CORP	770 LEXINGTON AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	65, 0.012, SSW
A3	METAL COLORS CORP	770 LEXINGTON AVENUE	NY UST, NY AST	Higher	65, 0.012, SSW
A4	CON EDISON	805 LEXINGTON AVE &	RCRA NonGen / NLR, FINDS, ECHO	Higher	136, 0.026, ESE
A5	CON EDISON	754 LEXINGTON	RCRA NonGen / NLR, FINDS, ECHO	Higher	167, 0.032, SW
A6	KINGSBORO ADDICTION	754 LEXINGTON AVE	RCRA-SQG	Higher	167, 0.032, SW
A7	KINGSBORO ADDICTION	754 LEXINGTON AVENUE	NY AST	Higher	167, 0.032, SW
A8	CON EDISON	754 LEXINGTON	NJ MANIFEST	Higher	167, 0.032, SW
A9	CON EDISON	754 LEXINGTON AVE	NJ MANIFEST	Higher	167, 0.032, SW
A10	CON EDISON	754 LEXINGTON AVE	NY MANIFEST	Higher	167, 0.032, SW
A11	KINGSBORO ADDICTION	754 LEXINGTON AVENUE	NY UST	Higher	167, 0.032, SW
A12	CON EDISON	754 LEXINGTON AVE	RCRA NonGen / NLR	Higher	167, 0.032, SW
B13	PATCHEN AVE & GREENE	PATCHEN AVE & GREENE	NY Spills	Higher	208, 0.039, NE
C14	957 GREENE AVENUE	957 GREENE AVENUE	NY AST	Higher	216, 0.041, NW
C15	CLARK RESIDENCE	964 GREENE AVE	NY Spills	Higher	216, 0.041, WNW
B16	PATCHEN AV &	GREENE AV	NY Spills	Higher	217, 0.041, ENE
A17	CON EDISON	971 GREENE AVE	NJ MANIFEST	Higher	221, 0.042, North
A18	CON EDISON	971 GREENE AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	221, 0.042, North
C19	962 GREENE AVE	962 GREENE AVE	NY Spills	Higher	232, 0.044, WNW
D20	WROUGHT ORIGINALS	847 LEXINGTON AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	260, 0.049, East
B21	CON EDISON - MANHOLE	987 GREENE AVE	RCRA-LQG, NY MANIFEST, NJ MANIFEST	Higher	277, 0.052, NE
C22	CON EDISON SERVICE B	956 GREENE AVE	RCRA NonGen / NLR	Higher	300, 0.057, WNW
C23	CON EDISON	956 GREENE AVE	NY MANIFEST	Higher	300, 0.057, WNW
D24	CON EDISON	796 LEXINGTON AVE	NY MANIFEST	Higher	303, 0.057, ESE
D25	CON EDISON SERVICE B	796 LEXINGTON AVE SB	RCRA NonGen / NLR, ECHO, NY MANIFEST	Higher	303, 0.057, ESE
D26	CON EDISON SERVICE B	796 LEXINGTON AVE SB	RCRA NonGen / NLR, ECHO, NY MANIFEST	Higher	303, 0.057, ESE
C27	CON EDISON SERVICE B	954 GREENE AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	318, 0.060, WNW
E28	217425; QUINCY AVE A	QUINCY AVE AND PATCH	NY Spills	Lower	331, 0.063, SE
D29	843 LEXINGTON AVE	843 LEXINGTON AVENUE	NY UST	Higher	345, 0.065, East
D30	VACANT COMMERCIAL PR	843 LEXINGTON AVE	NY Spills	Higher	345, 0.065, East
F31	735 QUINCY STREET	735 QUINCY STREET	NY Spills	Higher	349, 0.066, SW
D32	LOT 73,TAXBLOCK 1623	843 LEXINGTON AVENUE	NY E DESIGNATION	Higher	358, 0.068, East
B33	CON EDISON SERVICE B	508 VAN BUREN ST	RCRA NonGen / NLR, NY MANIFEST	Higher	360, 0.068, North
B34	CON EDISON	518 VAN BUREN ST	NJ MANIFEST	Higher	367, 0.070, North
B35	CON ED	518 VAN BUREN ST	NY MANIFEST	Higher	367, 0.070, North
B36	CON EDISON	518 VAN BUREN ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	367, 0.070, North
E37	CON EDISON - MANHOLE	792 QUINCY STREET	RCRA-LQG, NY MANIFEST	Lower	370, 0.070, South
D38	CON EDISON	804 LEXINGTON AVE	NY MANIFEST	Higher	374, 0.071, East
F39	CON EDISON	778 QUINCY ST FRONT	NJ MANIFEST	Lower	392, 0.074, SSW

MAPPED SITES SUMMARY

Target Property Address:  
811 LEXINGTON AVENUE  
BROOKLYN, NY 11221

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F40	CON EDISON	778 QUINCY ST FRONT	NY MANIFEST	Lower	392, 0.074, SSW
F41	CON EDISON	778 QUINCY ST FRONT	RCRA NonGen / NLR, FINDS, ECHO	Lower	392, 0.074, SSW
F42	CON EDISON	729 QUINCY ST	NY MANIFEST	Higher	395, 0.075, SW
F43	CON EDISON	729 QUINCY ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	395, 0.075, SW
F44	CON EDISON	729 QUINCY ST	NJ MANIFEST	Higher	395, 0.075, SW
F45	CON EDISON	776 QUINCY ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	407, 0.077, SSW
E46	CON EDISON SERVICE B	812 QUINCY ST	RCRA NonGen / NLR, FINDS	Lower	426, 0.081, SE
E47	CON EDISON	812 QUINCY ST	NY MANIFEST	Lower	426, 0.081, SE
B48	RODRIGUEZ DRY CLEANERS	19 PATCHEN AVE	RCRA-SQG, NY BROWNFIELDS, US AIRS, NY DRYCLEANERS	Higher	431, 0.082, NNE
B49	LAZARDOS CLEANERS	19 PATCHEN AVE	EDR Hist Cleaner	Higher	431, 0.082, NNE
D50	853 LEXINGTON AVENUE	853 LEXINGTON AVE	RCRA NonGen / NLR	Higher	433, 0.082, East
D51	FORMER LEXINGTON LAUNDRY	853 LEXINGTON AVENUE	NY BROWNFIELDS, NY E DESIGNATION, NY MANIFEST	Higher	433, 0.082, East
D52	CON EDISON SERVICE B	785 QUINCY ST	RCRA NonGen / NLR, FINDS	Higher	438, 0.083, ESE
D53	CON EDISON	FRONT OF 785 QUINCY	NY MANIFEST	Higher	438, 0.083, ESE
E54	RESIDENTS	814 QUINCY STREET	NY Spills	Lower	442, 0.084, SE
G55	CON EDISON SERVICE B	944 GREENE AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	448, 0.085, West
D56	COBBLE HILL HEALTH CARE	822 LEXINGTON AVE	NY Spills	Higher	456, 0.086, East
D57	822 LEXINGTON AVENUE	822 LEXINGTON AVENUE	NY AST	Higher	456, 0.086, East
H58	LOT 40, TAXBLOCK 1618	1005 GREENE AVENUE	NY E DESIGNATION	Higher	458, 0.087, NE
F59	CON EDISON SERVICE B	768 QUINCY ST	RCRA NonGen / NLR, NY MANIFEST	Higher	458, 0.087, SSW
G60	CON EDISON	942 GREENE AVE	NJ MANIFEST	Higher	468, 0.089, West
G61	CON EDISON	942 GREENE AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	468, 0.089, West
G62	CON EDISON	942 GREENE AVE	NY MANIFEST	Higher	468, 0.089, West
F63	CON EDISON	766 QUINCY ST FRONT	NY MANIFEST	Higher	469, 0.089, SSW
F64	CON EDISON	766 QUINCY ST FRONT	NJ MANIFEST	Higher	469, 0.089, SSW
F65	CON EDISON	766 QUINCY ST FRONT	RCRA NonGen / NLR, FINDS, ECHO	Higher	469, 0.089, SSW
D66	CON EDISON	791 QUINCY ST	NY MANIFEST	Higher	487, 0.092, ESE
D67	LOT 21, TAXBLOCK 1628	814 LEXINGTON AVENUE	NY E DESIGNATION	Higher	489, 0.093, East
I68	CON EDISON SERVICE B	505 VAN BUREN ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	491, 0.093, NNW
I69	CON EDISON	507 VAN BUREN ST	NY MANIFEST	Higher	491, 0.093, North
I70	CON EDISON	501 VAN BUREN ST	NY MANIFEST	Higher	492, 0.093, NNW
G71	CON EDISON SERVICE B	931 GREENE AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	500, 0.095, WNW
G72	CON EDISON	931 GREENE AVE	NJ MANIFEST	Higher	500, 0.095, WNW
G73	931 GREENE AVE	931 GREENE AVE	NY LTANKS	Higher	500, 0.095, WNW
G74	CON EDISON	931 GREENE AVE	RCRA NonGen / NLR	Higher	500, 0.095, WNW
G75	CON EDISON SERVICE B	105 MALCOLM X BLVD	RCRA NonGen / NLR, NY MANIFEST	Higher	513, 0.097, WSW
F76	CON EDISON	760 QUINCY ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	523, 0.099, SW
F77	CON EDISON	760 QUINCY ST	NJ MANIFEST	Higher	523, 0.099, SW
F78	CON EDISON	760 QUINCY ST	NY MANIFEST	Higher	523, 0.099, SW

MAPPED SITES SUMMARY

Target Property Address:  
811 LEXINGTON AVENUE  
BROOKLYN, NY 11221

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">I79</a>	CON EDISON	18 PATCHEN AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	540, 0.102, North
<a href="#">I80</a>	CON EDISON	18 PATCHEN AVE	NY MANIFEST	Higher	540, 0.102, North
<a href="#">H81</a>	WEACTH REALTY INC	552 VAN BUREN STREET	NY AST	Higher	546, 0.103, NE
<a href="#">I82</a>	CON EDISON	18 PATCHEN AVE	NJ MANIFEST	Higher	556, 0.105, North
<a href="#">H83</a>	GREEN PASTURES	1003 GREENE AVENUE	NY UST	Higher	561, 0.106, ENE
<a href="#">H84</a>	FORMER B&Z STEEL EQU	1003 GREENE AVENUE	NY BROWNFIELDS, NY Spills	Higher	561, 0.106, ENE
<a href="#">H85</a>	CONSTRUCTION SITE	1038 GREENE AVE	NY Spills	Higher	568, 0.108, ENE
<a href="#">H86</a>	GREENE PASTURE SUITE	1038 GREENE AVE	NY UST	Higher	568, 0.108, ENE
<a href="#">H87</a>	LOT 25,TAXBLOCK 1623	1038 GREENE AVENUE	NY E DESIGNATION	Higher	569, 0.108, ENE
<a href="#">J88</a>	MANHOLE #5809	GATES AV & PATCHEN A	NY Spills	Lower	587, 0.111, SSE
<a href="#">J89</a>	CON EDISON MANHOLE:	GATES AVE & PATCHEN	RCRA NonGen / NLR, NY MANIFEST	Lower	587, 0.111, SSE
<a href="#">K90</a>	CON EDISON SERVICE B	463 VAN BUREN ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	594, 0.112, NW
<a href="#">L91</a>	CON EDISON MANHOLE:	1202 BROADWAY	RCRA NonGen / NLR, FINDS	Higher	615, 0.116, NNE
<a href="#">L92</a>	CON EDISON	1202 BROADWAY	NY MANIFEST	Higher	615, 0.116, NNE
<a href="#">M93</a>	D U DRY CLEANERS	125 MALCOLM X BLVD	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	619, 0.117, SW
<a href="#">N94</a>	CON EDISON	809 QUINCY ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	630, 0.119, ESE
<a href="#">N95</a>	CON EDISON	809 QUINCY ST	NJ MANIFEST	Higher	630, 0.119, ESE
<a href="#">N96</a>	CON EDISON	809 QUINCY ST	NY MANIFEST	Higher	630, 0.119, ESE
<a href="#">K97</a>	CON EDISON	75 MALCOLM X	NY MANIFEST	Higher	634, 0.120, WNW
<a href="#">J98</a>	CON EDISON	904 GATES AVE	NY MANIFEST	Lower	639, 0.121, South
<a href="#">J99</a>	CON EDISON	906 GATES AVE	NY MANIFEST	Lower	639, 0.121, South
<a href="#">I100</a>	1086-1098 LAFAYETTE	1086-1098 LAFAYETTE	NY UST	Higher	645, 0.122, North
<a href="#">I101</a>	FORMER GAS SATION	1086-1098 LAFAYETTE	NY Spills	Higher	645, 0.122, North
<a href="#">I102</a>	CON EDISON	1084 LAFAYETTE AVE	NY MANIFEST	Higher	646, 0.122, North
<a href="#">I103</a>	CON EDISON SERVICE B	1084 LAFAYETTE AVE	RCRA NonGen / NLR	Higher	646, 0.122, North
<a href="#">H104</a>	CON EDISON MANHOLE:	1224 BROADWAY	RCRA NonGen / NLR	Higher	646, 0.122, NE
<a href="#">H105</a>	LOT 22,TAXBLOCK 1618	1224 BROADWAY	NY E DESIGNATION	Higher	646, 0.122, NE
<a href="#">H106</a>	CON EDISON	1224 BROADWAY	NY MANIFEST	Higher	646, 0.122, NE
<a href="#">O107</a>	SPILL NUMBER 9802992	894 GATES AVE	NY Spills	Lower	648, 0.123, South
<a href="#">I108</a>	PATCHEN SERVICE STAT	1096 LAFAYETTE AVE	EDR Hist Auto	Higher	649, 0.123, North
<a href="#">K109</a>	CON EDISON SERVICE B	1056 LAFAYETTE AVE	RCRA NonGen / NLR	Higher	671, 0.127, NNW
<a href="#">K110</a>	CON EDISON	1056 LAFAYETTE AVE	NY MANIFEST	Higher	671, 0.127, NNW
<a href="#">J111</a>	CON EDISON SERVICE B	930 GATES AVE	RCRA NonGen / NLR, NY MANIFEST	Lower	673, 0.127, SE
<a href="#">H112</a>	NYCDEP	VAN BUREN & BROADWAY	NY MANIFEST	Higher	684, 0.130, NE
<a href="#">K113</a>	CON EDISON SERVICE B	1050 LAFAYETTE AVE	RCRA NonGen / NLR, FINDS	Higher	685, 0.130, NW
<a href="#">K114</a>	CON EDISON	1050 LAFAYETTE AVE	NY MANIFEST	Higher	685, 0.130, NW
<a href="#">115</a>	DANIEL HALE WILLIAMS	969 GATES AVE	NY AST	Lower	685, 0.130, SE
<a href="#">K116</a>	CON EDISON	71 MALCOLM X BLVD	RCRA NonGen / NLR, NJ MANIFEST, NY MANIFEST	Higher	688, 0.130, NW
<a href="#">M117</a>	CON EDISON	135A MALCOLM X	NY MANIFEST	Higher	691, 0.131, SW

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
M118	CON EDISON SERVICE B	135 MALCOLM X BLVD	RCRA NonGen / NLR, NY MANIFEST	Higher	691, 0.131, SW
M119	CON EDISON SERVICE B	135A MALCOLM X	RCRA NonGen / NLR	Higher	691, 0.131, SW
M120	CON EDISON SERVICE B	135A MALCOLM X BLVD	RCRA NonGen / NLR	Higher	691, 0.131, SW
M121	CON EDISON	135A MALCOLM X BLVD	NY MANIFEST	Higher	691, 0.131, SW
N122	CON EDISON	844 QUINCY ST	NJ MANIFEST	Higher	709, 0.134, ESE
N123	CON EDISON	844 QUINCY ST	NY MANIFEST	Higher	709, 0.134, ESE
N124	CON EDISON	844 QUINCY ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	709, 0.134, ESE
L125	LUCKY FRENCH CLEANER	1203 BROADWAY	RCRA NonGen / NLR, FINDS, ECHO	Higher	710, 0.134, NNE
L126	LUCKY SCIENTIFIC FRE	1203 BROADWAY	NY DRYCLEANERS	Higher	710, 0.134, NNE
P127	CON EDISON	LAFAYETTE AVE & PATC	NJ MANIFEST	Higher	710, 0.134, North
P128	CON EDISON	LAFAYETTE AVE & PATC	RCRA NonGen / NLR, FINDS, ECHO	Higher	710, 0.134, North
P129	CON EDISON	LAFAYETTE AVE & PATC	NY MANIFEST	Higher	710, 0.134, North
Q130	CON EDISON SERVICE B	755 LEXINGTON AVE	RCRA NonGen / NLR, FINDS	Higher	717, 0.136, West
Q131	CON EDISON	755 LEXINGTON AVE	NY MANIFEST	Higher	717, 0.136, West
N132	FORMER MOTOR FREIGHT	834 LEXINGTON AVENUE	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS	Higher	723, 0.137, East
K133	CON EDISON	1046 LAFAYETTE AVE	NY MANIFEST	Higher	725, 0.137, NW
K134	CON EDISON	1046 LAFAYETTE AVE	NY MANIFEST	Higher	725, 0.137, NW
K135	CON EDISON	MALCOLM X BLVD & VAN	NY MANIFEST	Higher	726, 0.138, WNW
K136	CON EDISON SERVICE B	MALCOLM X BLVD & VAN	RCRA NonGen / NLR, FINDS	Higher	726, 0.138, WNW
K137	CON EDISON	VAN BUREN ST & MALCO	NY MANIFEST	Higher	726, 0.138, WNW
J138	CON EDISON SERVICE B	940 GATES AVE	RCRA NonGen / NLR, NY MANIFEST	Lower	731, 0.138, SE
J139	GP-UHAB HDFC	940-950 GATES AVENUE	NY AST	Lower	731, 0.138, SE
J140	APARTMENT BLDG.	940-950 GATES AVE	NY LTANKS	Lower	731, 0.138, SE
J141	GP-UHAB HDFC	940-950 GATES AVENUE	NY UST	Lower	731, 0.138, SE
K142	CON EDISON	1042 LAFFAYETTE AVE	RCRA NonGen / NLR	Higher	739, 0.140, NW
K143	CON EDISON	1042 LAFFAYETTE AVE	NY MANIFEST	Higher	739, 0.140, NW
K144	CON EDISON	1042 LAFFAYETTE AVE	NJ MANIFEST	Higher	739, 0.140, NW
K145	AV LAFAYETTE OWNER L	1050 LAFAYETTE AVE	NY AST	Higher	760, 0.144, NW
P146	1081 LAFAYETTE AVE	1081 LAFAYETTE AVE	NY LTANKS	Higher	760, 0.144, NNW
L147	CON EDISON	1209 BROADWAY	NY MANIFEST	Higher	760, 0.144, NE
L148	CON EDISON SERVICE B	1209 BROADWAY	RCRA NonGen / NLR, FINDS	Higher	760, 0.144, NE
R149	CON EDISON SERVICE B	1079 LAFAYETTE AVE	RCRA NonGen / NLR	Higher	762, 0.144, NNW
R150	CON EDISON	1079 LAFAYETTE AVE	NY MANIFEST	Higher	762, 0.144, NNW
S151	CON EDISON	BROADWAY & GREENE AV	NY MANIFEST	Higher	773, 0.146, ENE
S152	CON EDISON	GREENE AVE & BROADWA	NY MANIFEST	Higher	773, 0.146, ENE
S153	PRESENT PETRO	BROADWAY AND GREENE	NY LTANKS, NY Spills	Higher	773, 0.146, ENE
S154	CON EDISON SERVICE B	GREENE AVE & BROADWA	RCRA NonGen / NLR	Higher	773, 0.146, ENE
L155	CON EDISON	573 VAN BUREN ST	NJ MANIFEST	Higher	778, 0.147, NE
L156	CON EDISON	573 VAN BUREN ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	778, 0.147, NE



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L157	CON ED	573 VAN BUREN ST & B	NY MANIFEST	Higher	778, 0.147, NE
O158	CON EDISON SERVICE B	719 MONROE ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	778, 0.147, South
L159	CON EDISON	1185 BROADWAY	NJ MANIFEST	Higher	778, 0.147, NNE
L160	CON EDISON	1185 BROADWAY	NY MANIFEST	Higher	778, 0.147, NNE
L161	CON EDISON	1185 BROADWAY	RCRA NonGen / NLR, FINDS, ECHO	Higher	778, 0.147, NNE
K162	CON EDISON SERVICE B	1038 LAFAYETTE AVE	RCRA NonGen / NLR	Higher	778, 0.147, NW
K163	CON EDISON	1038 LAFAYETTE AVE	NY MANIFEST	Higher	778, 0.147, NW
Q164	CON EDISON SERVICE B	695 QUINCY ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	807, 0.153, WSW
Q165	CON EDISON	695 QUINCY ST	NY MANIFEST	Higher	807, 0.153, WSW
P166	FAMILY DOLLAR STORE	1165A BROADWAY	NY MANIFEST	Higher	810, 0.153, North
P167	FAMILY DOLLAR STORE	1165A BROADWAY	RCRA-CESQG	Higher	810, 0.153, North
T168	CON EDISON	693 QUINCY ST	NY MANIFEST	Higher	826, 0.156, WSW
T169	CON EDISON	693 QUINCY ST	RCRA NonGen / NLR	Higher	826, 0.156, WSW
L170	CON EDISON SERVICE B	585 VAN BUREN ST	RCRA NonGen / NLR, NY MANIFEST	Higher	834, 0.158, NE
M171	CON EDISON SERVICE B	885 GATES AVE	RCRA NonGen / NLR, FINDS	Higher	842, 0.159, SW
M172	CON EDISON	885 GATES AVE	NY MANIFEST	Higher	842, 0.159, SW
U173	CON EDISON	903 GREENE AVE	NJ MANIFEST	Higher	843, 0.160, West
U174	CON EDISON	903 GREENE AVE	RCRA NonGen / NLR	Higher	843, 0.160, West
U175	CON EDISON	903 GREENE AVE	NY MANIFEST	Higher	843, 0.160, West
T176	CON EDISON SERVICE B	691 QUINCY ST	RCRA NonGen / NLR, NY MANIFEST	Higher	844, 0.160, WSW
177	CON ED	759 MONROE STREET	NY MANIFEST	Lower	865, 0.164, SE
V178	CON EDISON SERVICE B	1115 LAFAYETTE AVE	RCRA NonGen / NLR	Higher	883, 0.167, NNE
V179	CON EDISON	OPP 1115 LAFAYETTE A	NY MANIFEST	Higher	883, 0.167, NNE
W180	CON EDISON SERVICE B	900 LEXINGTON AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	898, 0.170, East
X181	CON EDISON	LAFAYETTE AVE & MALC	NJ MANIFEST	Higher	905, 0.171, NW
X182	CON EDISON	LAFAYETTE AVE & MALC	RCRA NonGen / NLR	Higher	905, 0.171, NW
X183	CON ED	LAFAYETTE AVE & MALC	NY MANIFEST	Higher	905, 0.171, NW
P184	CON EDISON	1155 BROADWAY	NY MANIFEST	Higher	950, 0.180, North
P185	CON EDISON SERVICE B	1155 BROADWAY	RCRA NonGen / NLR	Higher	950, 0.180, North
186	STUYVESANT GARDENS	875 GATES AVENUE	NY LTANKS, NY UST	Higher	972, 0.184, SW
X187	PUBLIC SCHOOL 26 - B	1014 LAFAYETTE AVENU	NY UST	Higher	976, 0.185, NW
X188	PS 26K SCHOOL	1014 LAFAYETTE AVE	RCRA-LQG, NY MANIFEST	Higher	976, 0.185, NW
X189	PUBLIC SCHOOL 26 - B	1014 LAFAYETTE AVENU	NY AST	Higher	976, 0.185, NW
V190	CON EDISON SERVICE B	1136 LAFAYETTE AVE	RCRA NonGen / NLR	Higher	979, 0.185, NNE
V191	CON EDISON	1136 LAFAYETTE AVE	NY MANIFEST	Higher	979, 0.185, NNE
192	CON EDISON SERVICE B	584 KOSCIUSKO ST	RCRA NonGen / NLR, NY MANIFEST	Higher	981, 0.186, NNW
Y193	CON EDISON	684 MONROE ST	NY MANIFEST	Higher	997, 0.189, SSW
V194	CON EDISON	1127 LAFAYETTE ST	NY MANIFEST	Higher	999, 0.189, NNE
V195	CON EDISON	1127 LAFAYETTE ST	NJ MANIFEST	Higher	999, 0.189, NNE

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<a href="#">V196</a>	CON EDISON	1127 LAFAYETTE ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	999, 0.189, NNE
<a href="#">V197</a>	CON EDISON	1138 LAFAYETTE AVE	NY MANIFEST	Higher	1000, 0.189, NNE
<a href="#">V198</a>	CON EDISON SERVICE B	1138 LAFAYETTE AVE	RCRA NonGen / NLR	Higher	1000, 0.189, NNE
<a href="#">R199</a>	CON EDISON SERVICE B	1142 BROADWAY	RCRA NonGen / NLR, FINDS	Higher	1002, 0.190, NNW
<a href="#">R200</a>	CON EDISON	1142 BROADWAY	NY MANIFEST	Higher	1002, 0.190, NNW
<a href="#">W201</a>	CON EDISON	1275 BROADWAY	RCRA NonGen / NLR, FINDS, ECHO	Higher	1004, 0.190, ENE
<a href="#">W202</a>	CON EDISON	1275 BROADWAY	NJ MANIFEST	Higher	1004, 0.190, ENE
<a href="#">W203</a>	CON EDISON	1285 BROADWAY AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1010, 0.191, East
<a href="#">W204</a>	CON EDISON	1285 BROADWAY AVE	NJ MANIFEST	Higher	1010, 0.191, East
<a href="#">W205</a>	CON EDISON	1285 BROADWAY AVE	NY MANIFEST	Higher	1010, 0.191, East
<a href="#">Z206</a>	CON EDISON	609 VAN BUREN ST	NY MANIFEST	Higher	1049, 0.199, NE
<a href="#">Z207</a>	CON EDISON SERVICE B	609 VAN BUREN ST	NJ MANIFEST	Higher	1049, 0.199, NE
<a href="#">Z208</a>	CON EDISON SERVICE B	609 VAN BUREN ST	RCRA NonGen / NLR, FINDS	Higher	1049, 0.199, NE
<a href="#">W209</a>	CON EDISON	1275 BROADWAY	NY MANIFEST	Higher	1049, 0.199, ENE
<a href="#">W210</a>	CON EDISON	BROADWAY & RALPH AVE	NY MANIFEST	Higher	1049, 0.199, ENE
<a href="#">AA211</a>	CON EDISON SERVICE B	713 MADISON ST	RCRA NonGen / NLR, NY MANIFEST	Lower	1054, 0.200, South
<a href="#">AB212</a>	MTA NYCT - KOSCIUSKO	KOSCIUSKO ST & BROAD	RCRA NonGen / NLR, NY MANIFEST	Higher	1058, 0.200, North
<a href="#">AA213</a>	CON EDISON SERVICE B	709 MADISON ST	RCRA NonGen / NLR, FINDS	Lower	1059, 0.201, South
<a href="#">AA214</a>	CON EDISON	709 MADISON ST	NY MANIFEST	Lower	1059, 0.201, South
<a href="#">X215</a>	CON EDISON SERVICE B	44 MALCOLM X BLVD	RCRA NonGen / NLR	Higher	1065, 0.202, NW
<a href="#">X216</a>	CON EDISON	44 MALCOLM X BLVD	NY MANIFEST	Higher	1065, 0.202, NW
<a href="#">Y217</a>	CON EDISON	705 MADISON ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1069, 0.202, South
<a href="#">Y218</a>	CON EDISON	705 MADISON ST	NY MANIFEST	Higher	1069, 0.202, South
<a href="#">Y219</a>	CON EDISON	705 MADISON ST	NJ MANIFEST	Higher	1069, 0.202, South
<a href="#">AC220</a>	NYPD 81ST PCT	18 RALPH AVE	NY LTANKS	Higher	1078, 0.204, ESE
<a href="#">Y221</a>	CON EDISON SERVICE B	703 MADISON ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1079, 0.204, South
<a href="#">W222</a>	CON EDISON	BROADWAY & RALPH AVE	NY MANIFEST	Higher	1080, 0.205, East
<a href="#">W223</a>	CON EDISON	BROADWAY & RALPH AVE	NJ MANIFEST	Higher	1080, 0.205, East
<a href="#">W224</a>	CON EDISON	BROADWAY & RALPH AVE	NJ MANIFEST	Higher	1080, 0.205, East
<a href="#">W225</a>	CON EDISON	BROADWAY & RALPH AVE	RCRA NonGen / NLR	Higher	1080, 0.205, East
<a href="#">W226</a>	CON EDISON	BROADWAY & RALPH AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1080, 0.205, East
<a href="#">AB227</a>	CON EDISON SERVICE B	25 KOSSUTH PL	RCRA NonGen / NLR, NY MANIFEST	Higher	1090, 0.206, NNE
<a href="#">Z228</a>	CON EDISON SERVICE B	1150 LAFAYETTE AVE	RCRA NonGen / NLR, FINDS	Higher	1118, 0.212, NNE
<a href="#">Z229</a>	CON EDISON	1150 LAFAYETTE AVE	NY MANIFEST	Higher	1118, 0.212, NNE
<a href="#">230</a>	CON EDISON SERVICE B	715 LEXINGTON AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	1119, 0.212, West
<a href="#">AC231</a>	81ST PCT	30 RALPH AVENUE	NY UST, NY AST	Higher	1125, 0.213, ESE
<a href="#">AC232</a>	NYC DEP	32 RALPH AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	1130, 0.214, ESE
<a href="#">AC233</a>	FDNY ENGINE 222	32 RALPH AVENUE	NY UST	Higher	1130, 0.214, ESE
<a href="#">AC234</a>	NYC FIRE DEPT ENGINE	32 RALPH AVE	RCRA NonGen / NLR, ICIS, FINDS, ECHO	Higher	1130, 0.214, ESE

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<a href="#">AC235</a>	32 RALPH AV - BKLN	32 RALPH AVENUE	NY LTANKS	Higher	1130, 0.214, ESE
<a href="#">Y236</a>	CON EDISON SERVICE B	685 MADISON ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1140, 0.216, SSW
<a href="#">Y237</a>	CON EDISON SERVICE B	685 MADISON	RCRA NonGen / NLR, NY MANIFEST	Higher	1140, 0.216, SSW
<a href="#">AD238</a>	CON EDISON SERVICE B	799 MONROE ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1146, 0.217, ESE
<a href="#">Z239</a>	CON ED	621 VAN BUREN ST	NY MANIFEST	Higher	1148, 0.217, NE
<a href="#">Z240</a>	CON EDISON	621 VAN BUREN ST	NJ MANIFEST	Higher	1148, 0.217, NE
<a href="#">Z241</a>	CON EDISON	621 VAN BUREN ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1148, 0.217, NE
<a href="#">W242</a>	CON EDISON	1291 BROADWAY AVE	NY MANIFEST	Higher	1148, 0.217, East
<a href="#">W243</a>	CON EDISON	1291 BROADWAY AVE	NJ MANIFEST	Higher	1148, 0.217, East
<a href="#">W244</a>	CON EDISON	1291 BROADWAY	NY MANIFEST	Higher	1148, 0.217, East
<a href="#">W245</a>	CON EDISON	1291 BROADWAY AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1148, 0.217, East
<a href="#">W246</a>	ASSOCIATED SUPERMARK	1291 BROADWAY	NY AST	Higher	1148, 0.217, East
<a href="#">247</a>	GOOD COUNSEL SRO RES	826 MADISON STREET	NY UST	Lower	1149, 0.218, SSE
<a href="#">Y248</a>	CON EDISON	173 MALCOLMX BLVD	NY MANIFEST	Higher	1151, 0.218, SSW
<a href="#">Y249</a>	CON EDISON	173 MALCOLM X BLVD	NY MANIFEST	Higher	1151, 0.218, SSW
<a href="#">Y250</a>	CON EDISON SERVICE B	173 MALCOLM X BLVD	RCRA NonGen / NLR	Higher	1151, 0.218, SSW
<a href="#">AE251</a>	CON EDISON	1289 BROADWAY	NJ MANIFEST	Higher	1167, 0.221, ENE
<a href="#">AE252</a>	CON EDISON	1289 BROADWAY	RCRA NonGen / NLR, FINDS, ECHO	Higher	1167, 0.221, ENE
<a href="#">AE253</a>	CON EDISON	1289 BROADWAY	NY MANIFEST	Higher	1167, 0.221, ENE
<a href="#">AB254</a>	CON EDISON	646 KOSCIUSKO ST	NY MANIFEST	Higher	1174, 0.222, North
<a href="#">AC255</a>	NU LYNN CLEANERS	36A RALPH AVE	RCRA NonGen / NLR	Higher	1176, 0.223, ESE
<a href="#">AB256</a>	CON EDISON	648 KOSCIUSKO ST	NJ MANIFEST	Higher	1189, 0.225, North
<a href="#">AB257</a>	CON EDISON	648 KOSCIUSKO ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1189, 0.225, North
<a href="#">AF258</a>	CON EDISON SERVICE B	999 LAFAYETTE AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	1191, 0.226, WNW
<a href="#">AC259</a>	CONSOLIDATED EDISON	GATES & RALPH AVES M	NY MANIFEST	Higher	1194, 0.226, ESE
<a href="#">AG260</a>	CON EDISON SERVICE B	15 GOODWIN PL	RCRA NonGen / NLR, NY MANIFEST	Higher	1195, 0.226, ENE
<a href="#">AH261</a>	CON EDISON - MANHOLE	1114 DEKALB AVE	RCRA-LQG, NY MANIFEST, NJ MANIFEST	Higher	1196, 0.227, NNW
<a href="#">AI262</a>	CON EDISON	129 PATCHEN AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	1202, 0.228, SSE
<a href="#">AI263</a>	CON EDISON	129 PATCHEN AVE	NJ MANIFEST	Lower	1202, 0.228, SSE
<a href="#">AI264</a>	CON ED	129 PATCHEN AVE	NY Spills, NY MANIFEST	Lower	1208, 0.229, SSE
<a href="#">Z265</a>	CON EDISON	898 BUSHWICK AVE	NY MANIFEST	Higher	1210, 0.229, NE
<a href="#">AG266</a>	1075 GREENE AVE	1075 GREENE AVENUE	NY AST	Higher	1214, 0.230, NE
<a href="#">AA267</a>	CON EDISON SERVICE B	728 MADISON ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1216, 0.230, South
<a href="#">AJ268</a>	CON ED	BROADWAY & GROVE ST	NY MANIFEST	Higher	1218, 0.231, East
<a href="#">AJ269</a>	CON EDISON	BROADWAY & GROVE ST	RCRA NonGen / NLR	Higher	1218, 0.231, East
<a href="#">AJ270</a>	CON EDISON	BROADWAY & GROVE ST	NJ MANIFEST	Higher	1218, 0.231, East
<a href="#">AK271</a>	CON EDISON	878 BUSHWICK AV	NY MANIFEST	Higher	1218, 0.231, NNE
<a href="#">AK272</a>	CON EDISON	878 BUSHWICK AVE	NY MANIFEST	Higher	1218, 0.231, NNE
<a href="#">AK273</a>	CON EDISON	878 BUSHWICK AV	NY MANIFEST	Higher	1218, 0.231, NNE

MAPPED SITES SUMMARY

Target Property Address:  
811 LEXINGTON AVENUE  
BROOKLYN, NY 11221

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">AH274</a>	CON EDISON	1100 DEKLAB AVE	NY MANIFEST	Higher	1225, 0.232, NNW
<a href="#">AH275</a>	CON EDISON	1098 DEKALB AVE	NY MANIFEST	Higher	1232, 0.233, NNW
<a href="#">AD276</a>	CON EDISON SERVICE B	44 RALPH AVE	RCRA NonGen / NLR	Higher	1232, 0.233, ESE
<a href="#">AD277</a>	CON EDISON	44 RALPH AVE	NY MANIFEST	Higher	1232, 0.233, ESE
<a href="#">Z278</a>	CON EDISON	886 BUSHWICK AVE	NY MANIFEST	Higher	1240, 0.235, NE
<a href="#">Z279</a>	CON EDISON SERVICE B	886 BUSHWICK AVE	RCRA NonGen / NLR	Higher	1240, 0.235, NE
<a href="#">AL280</a>	CON ED	654 KOSCIUSKO ST	NY MANIFEST	Higher	1240, 0.235, North
<a href="#">AL281</a>	CON EDISON	654 KOSCIUSKO ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1240, 0.235, North
<a href="#">AL282</a>	CON EDISON	654 KOSCIUSKO ST	NJ MANIFEST	Higher	1240, 0.235, North
<a href="#">AH283</a>	CON EDISON SERVICE B	BROADWAY & DEKALB AV	RCRA NonGen / NLR, NY MANIFEST	Higher	1251, 0.237, NNW
<a href="#">AI284</a>	CON EDISON	131 PATCHEN AVE	NY MANIFEST	Lower	1254, 0.237, SSE
<a href="#">AI285</a>	CON EDISON	131 PATCHEN AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	1254, 0.237, SSE
<a href="#">AI286</a>	CON EDISON	131 PATCHEN AVE	NJ MANIFEST	Lower	1254, 0.237, SSE
<a href="#">287</a>	CON EDISON	MALCOLM X BLVD & MAD	RCRA NonGen / NLR, NJ MANIFEST, NY MANIFEST	Higher	1255, 0.238, SSW
<a href="#">288</a>	920 BUSHWICK AVENUE	920 BUSHWICK AVE	NY AST	Higher	1259, 0.238, NE
<a href="#">AC289</a>	AVANT CLEANER CENTER	890 QUINCY ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1261, 0.239, East
<a href="#">AC290</a>	CON EDISON	890 QUINCY ST	NJ MANIFEST	Higher	1261, 0.239, East
<a href="#">AC291</a>	CON EDISON	890 QUINCY ST	NY MANIFEST	Higher	1261, 0.239, East
<a href="#">AC292</a>	AVANTI CLEANING CENT	890 QUINCY STREET	NY DRYCLEANERS	Higher	1261, 0.239, East
<a href="#">AC293</a>	CON EDISON	890 QUINCY ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1261, 0.239, East
<a href="#">AG294</a>	946 BUSHWICK AVE	946 BUSHWICK AVENUE	NY AST	Higher	1283, 0.243, ENE
<a href="#">AD295</a>	PUBLIC SCHOOL 309K	7794 MONROE ST	RCRA-LQG, NJ MANIFEST	Lower	1285, 0.243, SE
<a href="#">AD296</a>	NYC DEPT OF ED - PUB	794 MONROE ST	NY AST, NY MANIFEST	Lower	1285, 0.243, SE
<a href="#">AF297</a>	CON EDISON SERVICE B	989 LAFAYETTE AVE	RCRA NonGen / NLR	Higher	1288, 0.244, WNW
<a href="#">AF298</a>	CON EDISON	989 LAFAYETTE AVE	NY MANIFEST	Higher	1288, 0.244, WNW
<a href="#">299</a>	CON EDISON SERVICE B	644 MONROE ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1290, 0.244, SW
<a href="#">AM300</a>	45 RALPH AVENUE	45 RALPH AVENUE	NY LTANKS	Higher	1294, 0.245, ESE
<a href="#">AB301</a>	P.S. 274 - BROOKLYN	800 BUSHWICK AVENUE	NY AST	Higher	1294, 0.245, North
<a href="#">AB302</a>	P.S. 274 KOSCIUSKO S	800 BUSHWICK AVE	RCRA-LQG, FINDS, ECHO, NY MANIFEST	Higher	1294, 0.245, North
<a href="#">AE303</a>	CON EDISON	35 GOODWIN PL.	RCRA NonGen / NLR	Higher	1295, 0.245, ENE
<a href="#">AE304</a>	CON EDISON	35 GOODWIN PL.	NJ MANIFEST	Higher	1295, 0.245, ENE
<a href="#">AE305</a>	CON EDISON	35 GOODWIN PL.	NY MANIFEST	Higher	1295, 0.245, ENE
<a href="#">AC306</a>	NORM MIKE CONTRACTOR	992 GATES AVE	RCRA NonGen / NLR	Higher	1296, 0.245, ESE
<a href="#">AC307</a>	GOOD SAMARITAN DCC	992 GATES AVENUE	NY AST	Higher	1296, 0.245, ESE
<a href="#">AE308</a>	CON EDISON	37 GOODWIN PL SB1185	NY MANIFEST	Higher	1307, 0.248, ENE
<a href="#">AE309</a>	CON EDISON	37 GOODWIN PL SB1185	RCRA NonGen / NLR, FINDS, ECHO	Higher	1307, 0.248, ENE
<a href="#">AE310</a>	CON EDISON	37 GOODWIN PL SB1185	NY MANIFEST	Higher	1307, 0.248, ENE
<a href="#">AE311</a>	CON EDISON	37 GOODWIN PL SB1185	RCRA NonGen / NLR	Higher	1307, 0.248, ENE
<a href="#">AE312</a>	CON EDISON	37 GOODWIN PL SB1185	NJ MANIFEST	Higher	1307, 0.248, ENE

MAPPED SITES SUMMARY

Target Property Address:  
811 LEXINGTON AVENUE  
BROOKLYN, NY 11221

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">AE313</a>	CON EDISON	37 GOODWIN PL SB1185	NJ MANIFEST	Higher	1307, 0.248, ENE
<a href="#">AK314</a>	CON EDISON - MANHOLE	BUSHWICK AVE & LAFAY	NY MANIFEST	Higher	1308, 0.248, NNE
<a href="#">AM315</a>	CON EDISON	47 RALPH AV	NY MANIFEST	Higher	1316, 0.249, ESE
<a href="#">316</a>	FORMER GETTY SERVICE	1103-1107 DEKALB AVE	NY BROWNFIELDS, NY Spills	Higher	1324, 0.251, NNW
<a href="#">317</a>	JUNIOR HIGH SCHOOL 5	125 STUYVESANT AVENU	NY LTANKS, NY AST	Higher	1427, 0.270, WNW
<a href="#">318</a>	TANK ROOM - ENCLOSED	40 GROVE ST	NY LTANKS	Higher	1540, 0.292, East
<a href="#">319</a>	850 GREEN AVE	850 GREEN AVE	NY LTANKS	Higher	1574, 0.298, West
<a href="#">320</a>	PRIVATE RESIDENCE	23 HIMROD STREET	NY LTANKS, NY Spills	Higher	1613, 0.305, NNE
<a href="#">321</a>	APARTMENT BLDG	531 KOSCIUSKO STREET	NY LTANKS, NY Spills	Higher	1663, 0.315, WNW
<a href="#">322</a>	CLOSED-LACKOF RECENT	26 LAWTON STREET	NY LTANKS	Higher	1795, 0.340, NNW
<a href="#">323</a>	743 HANCOCK ST/BKLYN	743 HANCOCK STREET	NY LTANKS, NY Spills	Lower	1909, 0.362, SSE
<a href="#">324</a>	17 PALMETTO ST	17 PALMETTO ST	NY LTANKS	Higher	1955, 0.370, East
<a href="#">325</a>	STUYVESANT GARDENS -	734 GATES AVENUE	NY LTANKS, NY Spills	Higher	1976, 0.374, WSW
<a href="#">AN326</a>	1070 BRUNSWICK AVE/N	1070 BRUNSWICK AVE	NY LTANKS	Lower	2104, 0.398, East
<a href="#">327</a>	701 PUTNAM AVE.	701 PUTNAM AVE	NY LTANKS	Higher	2112, 0.400, SW
<a href="#">AO328</a>	1016 PUTNAM AVENUE	1016 PUTNAM AVENUE	NY LTANKS	Lower	2167, 0.410, ESE
<a href="#">AN329</a>	1084 BUSHWICK AVE	1084 BUSHWICK AVE	NY LTANKS, NY Spills	Lower	2299, 0.435, East
<a href="#">AP330</a>	742 HALSEY ST.	742 HALSEY ST	NY LTANKS	Lower	2370, 0.449, SSE
<a href="#">AO331</a>	41 HOWARD AV / BKLN	41 HOWARD AVE	NY LTANKS	Lower	2386, 0.452, ESE
<a href="#">332</a>	ROSE OF SHARON CHURC	1007 BROADWAY	NY LTANKS	Higher	2406, 0.456, NNW
<a href="#">AP333</a>	766 HALSEY ST/BROOKL	766 HALSEY STREET	NY LTANKS	Lower	2412, 0.457, SSE
<a href="#">334</a>	PALMETTO	85 PALMETTO STREET	NY LTANKS	Lower	2441, 0.462, East
<a href="#">335</a>	119 LINDEN STREET	119 LINDEN STREET	NY LTANKS	Lower	2538, 0.481, ENE
<a href="#">336</a>	ROOSEVELT HOUSES -NY	953 DEKALB AVE	NY LTANKS, NY Spills	Higher	2561, 0.485, WNW
<a href="#">337</a>	CON EDISON	560 MADISON ST	NY LTANKS, NY MANIFEST	Higher	2565, 0.486, SW
<a href="#">338</a>	296 CENTER AVENUE	296 CENTER AVENUE	NY LTANKS	Lower	2590, 0.491, NE
<a href="#">339</a>	192 RALPH AVENUE	192 RALPH AVE	NY SHWS, NY VCP	Lower	2998, 0.568, SSE

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
FIRST NIGERIAN SEVEN 811 LEXINGTON AVENUE BROOKLYN, NY 11221	NY UST Database: UST, Date of Government Version: 09/21/2017	N/A

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System

## EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

### **Federal ERNS list**

ERNS..... Emergency Response Notification System

### **State- and tribal - equivalent CERCLIS**

NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

### **State and tribal landfill and/or solid waste disposal site lists**

NY SWF/LF..... Facility Register

### **State and tribal leaking storage tank lists**

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land  
NY HIST LTANKS..... Listing of Leaking Storage Tanks

### **State and tribal registered storage tank lists**

FEMA UST..... Underground Storage Tank Listing  
NY CBS UST..... Chemical Bulk Storage Database  
NY MOSF UST..... Major Oil Storage Facilities Database  
NY CBS..... Chemical Bulk Storage Site Listing  
NY MOSF..... Major Oil Storage Facility Site Listing  
NY CBS AST..... Chemical Bulk Storage Database  
NY MOSF AST..... Major Oil Storage Facilities Database  
INDIAN UST..... Underground Storage Tanks on Indian Land  
NY TANKS..... Storage Tank Facility Listing

### **State and tribal institutional control / engineering control registries**

NY RES DECL..... Restrictive Declarations Listing

### **State and tribal voluntary cleanup sites**

INDIAN VCP..... Voluntary Cleanup Priority Listing

### **State and tribal Brownfields sites**

NY ERP..... Environmental Restoration Program Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

US BROWNFIELDS..... A Listing of Brownfields Sites

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

NY SWTIRE..... Registered Waste Tire Storage & Facility List  
NY SWRCY..... Registered Recycling Facility List

## EXECUTIVE SUMMARY

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
IHS OPEN DUMPS..... Open Dumps on Indian Land

### **Local Lists of Hazardous waste / Contaminated Sites**

US HIST CDL..... Delisted National Clandestine Laboratory Register  
NY DEL SHWS..... Delisted Registry Sites  
US CDL..... National Clandestine Laboratory Register

### **Local Lists of Registered Storage Tanks**

NY HIST UST..... Historical Petroleum Bulk Storage Database  
NY HIST AST..... Historical Petroleum Bulk Storage Database

### **Local Land Records**

NY LIENS..... Spill Liens Information  
LIENS 2..... CERCLA Lien Information

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
NY Hist Spills..... SPILLS Database  
NY SPILLS 90..... SPILLS 90 data from FirstSearch  
NY SPILLS 80..... SPILLS 80 data from FirstSearch

### **Other Ascertainable Records**

FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List  
TSCA..... Toxic Substances Control Act  
TRIS..... Toxic Chemical Release Inventory System  
SSTS..... Section 7 Tracking Systems  
ROD..... Records Of Decision  
RMP..... Risk Management Plans  
RAATS..... RCRA Administrative Action Tracking System  
PRP..... Potentially Responsible Parties  
PADS..... PCB Activity Database System  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
MLTS..... Material Licensing Tracking System  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
PCB TRANSFORMER..... PCB Transformer Registration Database  
RADINFO..... Radiation Information Database  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
DOT OPS..... Incident and Accident Data  
CONSENT..... Superfund (CERCLA) Consent Decrees  
INDIAN RESERV..... Indian Reservations



## EXECUTIVE SUMMARY

FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
NY AIRS.....	Air Emissions Data
NY COAL ASH.....	Coal Ash Disposal Site Listing
NY Financial Assurance.....	Financial Assurance Information Listing
NY HSWDS.....	Hazardous Substance Waste Disposal Site Inventory
NY SPDES.....	State Pollutant Discharge Elimination System
NY UIC.....	Underground Injection Control Wells

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

NY RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List  
NY RGA LF..... Recovered Government Archive Solid Waste Facilities List

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal RCRA generators list***

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/13/2017 has revealed that there are 6

## EXECUTIVE SUMMARY

RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CON EDISON - MANHOLE</i>	<i>987 GREENE AVE</i>	<i>NE 0 - 1/8 (0.052 mi.)</i>	<i>B21</i>	<i>46</i>
<i>PS 26K SCHOOL</i>	<i>1014 LAFAYETTE AVE</i>	<i>NW 1/8 - 1/4 (0.185 mi.)</i>	<i>X188</i>	<i>370</i>
<i>CON EDISON - MANHOLE</i>	<i>1114 DEKALB AVE</i>	<i>NNW 1/8 - 1/4 (0.227 mi.)</i>	<i>AH261</i>	<i>495</i>
<i>P.S. 274 KOSCIUSKO S</i>	<i>800 BUSHWICK AVE</i>	<i>N 1/8 - 1/4 (0.245 mi.)</i>	<i>AB302</i>	<i>567</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CON EDISON - MANHOLE</i>	<i>792 QUINCY STREET</i>	<i>S 0 - 1/8 (0.070 mi.)</i>	<i>E37</i>	<i>74</i>
<i>PUBLIC SCHOOL 309K</i>	<i>7794 MONROE ST</i>	<i>SE 1/8 - 1/4 (0.243 mi.)</i>	<i>AD295</i>	<i>551</i>

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2017 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KINGSBORO ADDICTION</i>	<i>754 LEXINGTON AVE</i>	<i>SW 0 - 1/8 (0.032 mi.)</i>	<i>A6</i>	<i>20</i>
<i>RODRIGUEZ DRY CLEANER</i>	<i>19 PATCHEN AVE</i>	<i>NNE 0 - 1/8 (0.082 mi.)</i>	<i>B48</i>	<i>91</i>

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/13/2017 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FAMILY DOLLAR STORE</i>	<i>1165A BROADWAY</i>	<i>N 1/8 - 1/4 (0.153 mi.)</i>	<i>P167</i>	<i>337</i>

### **State- and tribal - equivalent CERCLIS**

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 08/15/2017 has revealed that there is 1 NY SHWS site within approximately 1 mile of the target property.

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>192 RALPH AVENUE</b> Site Code: 58281 Class Code: Significant threat to the public health or environment - action required.	<b>192 RALPH AVE</b>	<b>SSE 1/2 - 1 (0.568 mi.)</b>	<b>339</b>	<b>644</b>

### **State and tribal leaking storage tank lists**

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 08/15/2017 has revealed that there are 30 NY LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
931 GREENE AVE Spill Number/Closed Date: 0307063 / 2003-11-21 Site ID: 214238 Program Number: 0307063	931 GREENE AVE	WNW 0 - 1/8 (0.095 mi.)	G73	139
1081 LAFAYETTE AVE Spill Number/Closed Date: 9609628 / 1996-11-01 Site ID: 226931 Program Number: 9609628	1081 LAFAYETTE AVE	NNW 1/8 - 1/4 (0.144 mi.)	P146	304
<b>PRESENT PETRO</b> Spill Number/Closed Date: 8602218 / 1986-09-01 Site ID: 225629 Program Number: 8602218	<b>BROADWAY AND GREENE</b>	<b>ENE 1/8 - 1/4 (0.146 mi.)</b>	<b>S153</b>	<b>314</b>
<b>STUYVESANT GARDENS</b> Spill Number/Closed Date: 9603356 / Not Reported Site ID: 108660 Program Number: 9603356	<b>875 GATES AVENUE</b>	<b>SW 1/8 - 1/4 (0.184 mi.)</b>	<b>186</b>	<b>365</b>
NYPD 81ST PCT Spill Number/Closed Date: 9513317 / 1997-05-23 Site ID: 316281 Program Number: 9513317	18 RALPH AVE	ESE 1/8 - 1/4 (0.204 mi.)	AC220	418
32 RALPH AV - BKLN Spill Number/Closed Date: 8910005 / 2002-07-09 Spill Number/Closed Date: 9703371 / 2002-07-09 Site ID: 197634 Site ID: 98649 Program Number: 8910005 Program Number: 9703371	32 RALPH AVENUE	ESE 1/8 - 1/4 (0.214 mi.)	AC235	451
45 RALPH AVENUE Spill Number/Closed Date: 9405983 / 1994-08-02 Site ID: 292197 Program Number: 9405983	45 RALPH AVENUE	ESE 1/8 - 1/4 (0.245 mi.)	AM300	563
<b>JUNIOR HIGH SCHOOL 5</b> Spill Number/Closed Date: 9605970 / 2005-07-14	<b>125 STUYVESANT AVENUE</b>	<b>WNW 1/4 - 1/2 (0.270 mi.)</b>	<b>317</b>	<b>600</b>

## EXECUTIVE SUMMARY

Spill Number/Closed Date: 9305256 / 2003-03-10				
Site ID: 316604				
Site ID: 268288				
Program Number: 9605970				
Program Number: 9305256				
TANK ROOM - ENCLOSED	40 GROVE ST	E 1/4 - 1/2 (0.292 mi.)	318	604
Spill Number/Closed Date: 0905563 / 2009-10-07				
Site ID: 417834				
Program Number: 0905563				
850 GREEN AVE	850 GREEN AVE	W 1/4 - 1/2 (0.298 mi.)	319	605
Spill Number/Closed Date: 0612617 / 2007-05-30				
Site ID: 377501				
Program Number: 0612617				
<b>PRIVATE RESIDENCE</b>	<b>23 HIMROD STREET</b>	<b>NNE 1/4 - 1/2 (0.305 mi.)</b>	<b>320</b>	<b>606</b>
Spill Number/Closed Date: 9202073 / 1992-05-20				
Site ID: 301013				
Program Number: 9202073				
<b>APARTMENT BLDG</b>	<b>531 KOSCIUSKO STREET</b>	<b>WNW 1/4 - 1/2 (0.315 mi.)</b>	<b>321</b>	<b>609</b>
Spill Number/Closed Date: 9702904 / 2003-02-19				
Site ID: 254014				
Program Number: 9702904				
CLOSED-LACKOF RECENT	26 LAWTON STREET	NNW 1/4 - 1/2 (0.340 mi.)	322	611
Spill Number/Closed Date: 9103589 / 2003-03-05				
Site ID: 177393				
Program Number: 9103589				
17 PALMETTO ST	17 PALMETTO ST	E 1/4 - 1/2 (0.370 mi.)	324	616
Spill Number/Closed Date: 9512329 / 1998-07-27				
Site ID: 295300				
Program Number: 9512329				
<b>STUYVESANT GARDENS -</b>	<b>734 GATES AVENUE</b>	<b>WSW 1/4 - 1/2 (0.374 mi.)</b>	<b>325</b>	<b>617</b>
Spill Number/Closed Date: 9804491 / 2003-02-19				
Spill Number/Closed Date: 9100104 / 2005-11-10				
Site ID: 218678				
Site ID: 111900				
Program Number: 9804491				
Program Number: 9100104				
701 PUTNAM AVE.	701 PUTNAM AVE	SW 1/4 - 1/2 (0.400 mi.)	327	622
Spill Number/Closed Date: 9206194 / 1992-10-07				
Site ID: 259802				
Program Number: 9206194				
ROSE OF SHARON CHURC	1007 BROADWAY	NNW 1/4 - 1/2 (0.456 mi.)	332	630
Spill Number/Closed Date: 9702141 / 2003-03-10				
Site ID: 163616				
Program Number: 9702141				
<b>ROOSEVELT HOUSES -NY</b>	<b>953 DEKALB AVE</b>	<b>WNW 1/4 - 1/2 (0.485 mi.)</b>	<b>336</b>	<b>635</b>
Spill Number/Closed Date: 9415020 / 2017-05-03				
Spill Number/Closed Date: 9415137 / 2008-01-15				
Site ID: 328452				
Site ID: 78172				
Program Number: 9415020				
Program Number: 9415137				
<b>CON EDISON</b>	<b>560 MADISON ST</b>	<b>SW 1/4 - 1/2 (0.486 mi.)</b>	<b>337</b>	<b>640</b>

## EXECUTIVE SUMMARY

Spill Number/Closed Date: 9514539 / 1996-02-13

Site ID: 246506

Program Number: 9514539

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
APARTMENT BLDG. Spill Number/Closed Date: 0400812 / 2006-04-17 Site ID: 116075 Program Number: 0400812	940-950 GATES AVE	SE 1/8 - 1/4 (0.138 mi.)	J140	294
<b>743 HANCOCK ST/BKLYN</b> Spill Number/Closed Date: 9010983 / 1991-03-14 Spill Number/Closed Date: 9207660 / 1992-10-06 Site ID: 191074 Site ID: 191075 Program Number: 9010983 Program Number: 9207660	<b>743 HANCOCK STREET</b>	<b>SSE 1/4 - 1/2 (0.362 mi.)</b>	<b>323</b>	<b>612</b>
1070 BRUNSWICK AVE/N Spill Number/Closed Date: 9110108 / 2000-04-28 Site ID: 324131 Program Number: 9110108	1070 BRUNSWICK AVE	E 1/4 - 1/2 (0.398 mi.)	AN326	621
1016 PUTNAM AVENUE Spill Number/Closed Date: 9412373 / 1994-12-16 Site ID: 308479 Program Number: 9412373	1016 PUTNAM AVENUE	ESE 1/4 - 1/2 (0.410 mi.)	AO328	623
<b>1084 BUSHWICK AVE</b> Spill Number/Closed Date: 9208672 / 1992-10-28 Site ID: 290877 Program Number: 9208672	<b>1084 BUSHWICK AVE</b>	<b>E 1/4 - 1/2 (0.435 mi.)</b>	<b>AN329</b>	<b>624</b>
742 HALSEY ST. Spill Number/Closed Date: 9401949 / 1994-05-10 Site ID: 75998 Program Number: 9401949	742 HALSEY ST	SSE 1/4 - 1/2 (0.449 mi.)	AP330	627
41 HOWARD AV / BKLN Spill Number/Closed Date: 8909247 / 1992-10-07 Site ID: 184185 Program Number: 8909247	41 HOWARD AVE	ESE 1/4 - 1/2 (0.452 mi.)	AO331	628
766 HALSEY ST/BROOKL Spill Number/Closed Date: 8800334 / 1989-02-27 Site ID: 141903 Program Number: 8800334	766 HALSEY STREET	SSE 1/4 - 1/2 (0.457 mi.)	AP333	631
PALMETTO Spill Number/Closed Date: 9102098 / 1996-07-08 Site ID: 275297 Program Number: 9102098	85 PALMETTO STREET	E 1/4 - 1/2 (0.462 mi.)	334	632
119 LINDEN STREET Spill Number/Closed Date: 8809175 / 1989-02-27 Spill Number/Closed Date: 8909454 / 1992-12-08 Site ID: 135909 Site ID: 135910 Program Number: 8809175 Program Number: 8909454	119 LINDEN STREET	ENE 1/4 - 1/2 (0.481 mi.)	335	633
296 CENTER AVENUE	296 CENTER AVENUE	NE 1/4 - 1/2 (0.491 mi.)	338	643

## EXECUTIVE SUMMARY

Spill Number/Closed Date: 9412104 / 1994-12-10

Site ID: 208388

Program Number: 9412104

### **State and tribal registered storage tank lists**

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 12 NY UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>METAL COLORS CORP</b> Database: UST, Date of Government Version: 09/21/2017	<b>770 LEXINGTON AVENUE</b>	<b>SSW 0 - 1/8 (0.012 mi.)</b>	<b>A3</b>	<b>13</b>
KINGSBORO ADDICTION Database: UST, Date of Government Version: 09/21/2017	754 LEXINGTON AVENUE	SW 0 - 1/8 (0.032 mi.)	A11	30
843 LEXINGTON AVE Database: UST, Date of Government Version: 09/21/2017	843 LEXINGTON AVENUE	E 0 - 1/8 (0.065 mi.)	D29	62
GREEN PASTURES Database: UST, Date of Government Version: 09/21/2017	1003 GREENE AVENUE	ENE 0 - 1/8 (0.106 mi.)	H83	153
GREENE PASTURE SUITE Database: UST, Date of Government Version: 09/21/2017	1038 GREENE AVE	ENE 0 - 1/8 (0.108 mi.)	H86	165
1086-1098 LAFAYETTE Database: UST, Date of Government Version: 09/21/2017	1086-1098 LAFAYETTE	N 0 - 1/8 (0.122 mi.)	I100	188
<b>STUYVESANT GARDENS</b> Database: UST, Date of Government Version: 09/21/2017	<b>875 GATES AVENUE</b>	<b>SW 1/8 - 1/4 (0.184 mi.)</b>	<b>186</b>	<b>365</b>
PUBLIC SCHOOL 26 - B Database: UST, Date of Government Version: 09/21/2017	1014 LAFAYETTE AVENUE	NW 1/8 - 1/4 (0.185 mi.)	X187	368
<b>81ST PCT</b> Database: UST, Date of Government Version: 09/21/2017	<b>30 RALPH AVENUE</b>	<b>ESE 1/8 - 1/4 (0.213 mi.)</b>	<b>AC231</b>	<b>435</b>
FDNY ENGINE 222 Database: UST, Date of Government Version: 09/21/2017	32 RALPH AVENUE	ESE 1/8 - 1/4 (0.214 mi.)	AC233	443
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GP-UHAB HDFC Database: UST, Date of Government Version: 09/21/2017	940-950 GATES AVENUE	SE 1/8 - 1/4 (0.138 mi.)	J141	297
GOOD COUNSEL SRO RES Database: UST, Date of Government Version: 09/21/2017	826 MADISON STREET	SSE 1/8 - 1/4 (0.218 mi.)	247	473

## EXECUTIVE SUMMARY

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there are 17 NY AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>METAL COLORS CORP</b> Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-479810	<b>770 LEXINGTON AVENUE</b>	<b>SSW 0 - 1/8 (0.012 mi.)</b>	<b>A3</b>	<b>13</b>
KINGSBORO ADDICTION Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-236969	754 LEXINGTON AVENUE	SW 0 - 1/8 (0.032 mi.)	A7	22
957 GREENE AVENUE Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-511390	957 GREENE AVENUE	NW 0 - 1/8 (0.041 mi.)	C14	34
822 LEXINGTON AVENUE Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-610966	822 LEXINGTON AVENUE	E 0 - 1/8 (0.086 mi.)	D57	114
WEATCH REALTY INC Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-608347	552 VAN BUREN STREET	NE 0 - 1/8 (0.103 mi.)	H81	150
AV LAFAYETTE OWNER L Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-609616	1050 LAFAYETTE AVE	NW 1/8 - 1/4 (0.144 mi.)	K145	302
PUBLIC SCHOOL 26 - B Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-356115	1014 LAFAYETTE AVENUE	NW 1/8 - 1/4 (0.185 mi.)	X189	374
<b>81ST PCT</b> Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-217700	<b>30 RALPH AVENUE</b>	<b>ESE 1/8 - 1/4 (0.213 mi.)</b>	<b>AC231</b>	<b>435</b>
ASSOCIATED SUPERMARK Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-608382	1291 BROADWAY	E 1/8 - 1/4 (0.217 mi.)	W246	471
1075 GREENE AVE Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-600917	1075 GREENE AVENUE	NE 1/8 - 1/4 (0.230 mi.)	AG266	506
920 BUSHWICK AVENUE Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-612586	920 BUSHWICK AVE	NE 1/8 - 1/4 (0.238 mi.)	288	539
946 BUSHWICK AVE Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-331147	946 BUSHWICK AVENUE	ENE 1/8 - 1/4 (0.243 mi.)	AG294	549
P.S. 274 - BROOKLYN Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-354414	800 BUSHWICK AVENUE	N 1/8 - 1/4 (0.245 mi.)	AB301	564
GOOD SAMARITAN DCC Database: AST, Date of Government Version: 09/21/2017 Facility Id: 2-608457	992 GATES AVENUE	ESE 1/8 - 1/4 (0.245 mi.)	AC307	577
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DANIEL HALE WILLIAMS Database: AST, Date of Government Version: 09/21/2017	969 GATES AVE	SE 1/8 - 1/4 (0.130 mi.)	115	215

## EXECUTIVE SUMMARY

Facility Id: 2-110256				
GP-UHAB HDFC	940-950 GATES AVENUE	SE 1/8 - 1/4 (0.138 mi.)	J139	292
Database: AST, Date of Government Version: 09/21/2017				
Facility Id: 2-312037				
<b>NYC DEPT OF ED - PUB</b>	<b>794 MONROE ST</b>	<b>SE 1/8 - 1/4 (0.243 mi.)</b>	<b>AD296</b>	<b>554</b>
Database: AST, Date of Government Version: 09/21/2017				
Facility Id: 2-354651				

### **State and tribal institutional control / engineering control registries**

NY ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the NY ENG CONTROLS list, as provided by EDR, and dated 08/15/2017 has revealed that there is 1 NY ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>FORMER MOTOR FREIGHT</b> Site Code: 502540	<b>834 LEXINGTON AVENUE</b>	<b>E 1/8 - 1/4 (0.137 mi.)</b>	<b>N132</b>	<b>241</b>

Environmental Remediation sites that have institutional controls in place.

A review of the NY INST CONTROL list, as provided by EDR, and dated 08/15/2017 has revealed that there is 1 NY INST CONTROL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>FORMER MOTOR FREIGHT</b> Site Code: 502540	<b>834 LEXINGTON AVENUE</b>	<b>E 1/8 - 1/4 (0.137 mi.)</b>	<b>N132</b>	<b>241</b>

### **State and tribal Brownfields sites**

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 08/15/2017 has revealed that there are 5 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RODRIGUEZ DRY CLEAN</b> Site Code: 520850	<b>19 PATCHEN AVE</b>	<b>NNE 0 - 1/8 (0.082 mi.)</b>	<b>B48</b>	<b>91</b>
<b>FORMER LEXINGTON LAU</b> Site Code: 485896	<b>853 LEXINGTON AVENUE</b>	<b>E 0 - 1/8 (0.082 mi.)</b>	<b>D51</b>	<b>101</b>
<b>FORMER B&amp;Z STEEL EQU</b> Site Code: 495778	<b>1003 GREENE AVENUE</b>	<b>ENE 0 - 1/8 (0.106 mi.)</b>	<b>H84</b>	<b>157</b>
<b>FORMER MOTOR FREIGHT</b> Site Code: 502540	<b>834 LEXINGTON AVENUE</b>	<b>E 1/8 - 1/4 (0.137 mi.)</b>	<b>N132</b>	<b>241</b>
<b>FORMER GETTY SERVICE</b>	<b>1103-1107 DEKALB AVE</b>	<b>NNW 1/4 - 1/2 (0.251 mi.)</b>	<b>316</b>	<b>589</b>



## EXECUTIVE SUMMARY

Site Code: 479739

### ADDITIONAL ENVIRONMENTAL RECORDS

#### **Records of Emergency Release Reports**

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 08/15/2017 has revealed that there are 14 NY Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PATCHEN AVE & GREENE Spill Number/Closed Date: 9905403 / 1999-12-21 spillno: 9905403 Site ID: 174617	PATCHEN AVE & GREENE	NE 0 - 1/8 (0.039 mi.)	B13	33
CLARK RESIDENCE Spill Number/Closed Date: 0410481 / 2005-11-03 spillno: 0410481 Site ID: 335446	964 GREENE AVE	WNW 0 - 1/8 (0.041 mi.)	C15	36
PATCHEN AV & Spill Number/Closed Date: 9905402 / 1999-12-21 spillno: 9905402 Site ID: 278343	GREENE AV	ENE 0 - 1/8 (0.041 mi.)	B16	37
962 GREENE AVE Spill Number/Closed Date: 9412668 / 1994-12-21 spillno: 9412668 Site ID: 276961	962 GREENE AVE	WNW 0 - 1/8 (0.044 mi.)	C19	41
VACANT COMMERCIAL PR Spill Number/Closed Date: 1508527 / 2016-01-11 spillno: 1508527 Site ID: 517084	843 LEXINGTON AVE	E 0 - 1/8 (0.065 mi.)	D30	65
735 QUINCY STREET Spill Number/Closed Date: 9413501 / 1995-01-10 spillno: 9413501 Site ID: 122527	735 QUINCY STREET	SW 0 - 1/8 (0.066 mi.)	F31	67
COBBLE HILL HEALTH C Spill Number/Closed Date: 0808184 / 2008-11-10 spillno: 0808184 Site ID: 405565	822 LEXINGTON AVE	E 0 - 1/8 (0.086 mi.)	D56	112
<b>FORMER B&amp;Z STEEL EQU</b> Spill Number/Closed Date: 1307014 / 2016-03-30 spillno: 1307014 Site ID: 487666	<b>1003 GREENE AVENUE</b>	<b>ENE 0 - 1/8 (0.106 mi.)</b>	<b>H84</b>	<b>157</b>
CONSTRUCTION SITE Spill Number/Closed Date: 1502938 / 2016-01-07	1038 GREENE AVE	ENE 0 - 1/8 (0.108 mi.)	H85	163

## EXECUTIVE SUMMARY

spillno: 1502938  
Site ID: 509220

FORMER GAS SATION	1086-1098 LAFAYETTE	N 0 - 1/8 (0.122 mi.)	I101	198
Spill Number/Closed Date: 0412474 / 2006-03-23				
spillno: 0412474				
Site ID: 337956				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
217425; QUINCY AVE A Spill Number/Closed Date: 0914300 / 2009-10-02 spillno: 0914300 Site ID: 433281	QUINCY AVE AND PATCH	SE 0 - 1/8 (0.063 mi.)	E28	61
RESIDENTS Spill Number/Closed Date: 0010530 / 2005-11-04 spillno: 0010530 Site ID: 97598	814 QUINCY STREET	SE 0 - 1/8 (0.084 mi.)	E54	109
MANHOLE #5809 Spill Number/Closed Date: 0209538 / 2009-08-18 spillno: 0209538 Site ID: 159014	GATES AV & PATCHEN A	SSE 0 - 1/8 (0.111 mi.)	J88	168
SPILL NUMBER 9802992 Spill Number/Closed Date: 9802992 / 1998-06-08 spillno: 9802992 Site ID: 66018	894 GATES AVE	S 0 - 1/8 (0.123 mi.)	O107	205

### Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2017 has revealed that there are 115 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>METAL COLORS CORP</b>	<b>770 LEXINGTON AVE</b>	<b>SSW 0 - 1/8 (0.012 mi.)</b>	<b>A2</b>	<b>10</b>
<b>CON EDISON</b>	<b>805 LEXINGTON AVE &amp;</b>	<b>ESE 0 - 1/8 (0.026 mi.)</b>	<b>A4</b>	<b>17</b>
<b>CON EDISON</b>	<b>754 LEXINGTON</b>	<b>SW 0 - 1/8 (0.032 mi.)</b>	<b>A5</b>	<b>18</b>
CON EDISON	754 LEXINGTON AVE	SW 0 - 1/8 (0.032 mi.)	A12	32
<b>CON EDISON</b>	<b>971 GREENE AVE</b>	<b>N 0 - 1/8 (0.042 mi.)</b>	<b>A18</b>	<b>40</b>
<b>WROUGHT ORIGINALS</b>	<b>847 LEXINGTON AVE</b>	<b>E 0 - 1/8 (0.049 mi.)</b>	<b>D20</b>	<b>42</b>
CON EDISON SERVICE B	956 GREENE AVE	WNW 0 - 1/8 (0.057 mi.)	C22	50
<b>CON EDISON SERVICE B</b>	<b>796 LEXINGTON AVE SB</b>	<b>ESE 0 - 1/8 (0.057 mi.)</b>	<b>D25</b>	<b>54</b>
<b>CON EDISON SERVICE B</b>	<b>796 LEXINGTON AVE SB</b>	<b>ESE 0 - 1/8 (0.057 mi.)</b>	<b>D26</b>	<b>56</b>
<b>CON EDISON SERVICE B</b>	<b>954 GREENE AVE</b>	<b>WNW 0 - 1/8 (0.060 mi.)</b>	<b>C27</b>	<b>59</b>
<b>CON EDISON SERVICE B</b>	<b>508 VAN BUREN ST</b>	<b>N 0 - 1/8 (0.068 mi.)</b>	<b>B33</b>	<b>68</b>
<b>CON EDISON</b>	<b>518 VAN BUREN ST</b>	<b>N 0 - 1/8 (0.070 mi.)</b>	<b>B36</b>	<b>73</b>
<b>CON EDISON</b>	<b>729 QUINCY ST</b>	<b>SW 0 - 1/8 (0.075 mi.)</b>	<b>F43</b>	<b>84</b>
853 LEXINGTON AVENUE	853 LEXINGTON AVE	E 0 - 1/8 (0.082 mi.)	D50	100

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDISON SERVICE B	785 QUINCY ST	ESE 0 - 1/8 (0.083 mi.)	D52	105
CON EDISON SERVICE B	944 GREENE AVE	W 0 - 1/8 (0.085 mi.)	G55	110
CON EDISON SERVICE B	768 QUINCY ST	SSW 0 - 1/8 (0.087 mi.)	F59	117
CON EDISON	942 GREENE AVE	W 0 - 1/8 (0.089 mi.)	G61	120
CON EDISON	766 QUINCY ST FRONT	SSW 0 - 1/8 (0.089 mi.)	F65	125
CON EDISON SERVICE B	505 VAN BUREN ST	NNW 0 - 1/8 (0.093 mi.)	I68	129
CON EDISON SERVICE B	931 GREENE AVE	WNW 0 - 1/8 (0.095 mi.)	G71	134
CON EDISON	931 GREENE AVE	WNW 0 - 1/8 (0.095 mi.)	G74	141
CON EDISON SERVICE B	105 MALCOLM X BLVD	WSW 0 - 1/8 (0.097 mi.)	G75	141
CON EDISON	760 QUINCY ST	SW 0 - 1/8 (0.099 mi.)	F76	144
CON EDISON	18 PATCHEN AVE	N 0 - 1/8 (0.102 mi.)	I79	147
CON EDISON SERVICE B	463 VAN BUREN ST	NW 0 - 1/8 (0.112 mi.)	K90	171
CON EDISON MANHOLE:	1202 BROADWAY	NNE 0 - 1/8 (0.116 mi.)	L91	174
D U DRY CLEANERS	125 MALCOLM X BLVD	SW 0 - 1/8 (0.117 mi.)	M93	177
CON EDISON	809 QUINCY ST	ESE 0 - 1/8 (0.119 mi.)	N94	180
CON EDISON SERVICE B	1084 LAFAYETTE AVE	N 0 - 1/8 (0.122 mi.)	I103	201
CON EDISON MANHOLE:	1224 BROADWAY	NE 0 - 1/8 (0.122 mi.)	H104	202
CON EDISON SERVICE B	1056 LAFAYETTE AVE	NNW 1/8 - 1/4 (0.127 mi.)	K109	207
CON EDISON SERVICE B	1050 LAFAYETTE AVE	NW 1/8 - 1/4 (0.130 mi.)	K113	213
CON EDISON	71 MALCOLM X BLVD	NW 1/8 - 1/4 (0.130 mi.)	K116	218
CON EDISON SERVICE B	135 MALCOLM X BLVD	SW 1/8 - 1/4 (0.131 mi.)	M118	223
CON EDISON SERVICE B	135A MALCOLM X	SW 1/8 - 1/4 (0.131 mi.)	M119	225
CON EDISON SERVICE B	135A MALCOLM X BLVD	SW 1/8 - 1/4 (0.131 mi.)	M120	226
CON EDISON	844 QUINCY ST	ESE 1/8 - 1/4 (0.134 mi.)	N124	231
LUCKY FRENCH CLEANER	1203 BROADWAY	NNE 1/8 - 1/4 (0.134 mi.)	L125	232
CON EDISON	LAFAYETTE AVE & PATC	N 1/8 - 1/4 (0.134 mi.)	P128	236
CON EDISON SERVICE B	755 LEXINGTON AVE	W 1/8 - 1/4 (0.136 mi.)	Q130	238
CON EDISON SERVICE B	MALCOLM X BLVD & VAN	WNW 1/8 - 1/4 (0.138 mi.)	K136	287
CON EDISON	1042 LAFFAYETTE AVE	NW 1/8 - 1/4 (0.140 mi.)	K142	299
CON EDISON SERVICE B	1209 BROADWAY	NE 1/8 - 1/4 (0.144 mi.)	L148	307
CON EDISON SERVICE B	1079 LAFAYETTE AVE	NNW 1/8 - 1/4 (0.144 mi.)	R149	308
CON EDISON SERVICE B	GREENE AVE & BROADWA	ENE 1/8 - 1/4 (0.146 mi.)	S154	316
CON EDISON	573 VAN BUREN ST	NE 1/8 - 1/4 (0.147 mi.)	L156	318
CON EDISON	1185 BROADWAY	NNE 1/8 - 1/4 (0.147 mi.)	L161	326
CON EDISON SERVICE B	1038 LAFAYETTE AVE	NW 1/8 - 1/4 (0.147 mi.)	K162	327
CON EDISON SERVICE B	695 QUINCY ST	WSW 1/8 - 1/4 (0.153 mi.)	Q164	330
CON EDISON	693 QUINCY ST	WSW 1/8 - 1/4 (0.156 mi.)	T169	340
CON EDISON SERVICE B	585 VAN BUREN ST	NE 1/8 - 1/4 (0.158 mi.)	L170	341
CON EDISON SERVICE B	885 GATES AVE	SW 1/8 - 1/4 (0.159 mi.)	M171	343
CON EDISON	903 GREENE AVE	W 1/8 - 1/4 (0.160 mi.)	U174	347
CON EDISON SERVICE B	691 QUINCY ST	WSW 1/8 - 1/4 (0.160 mi.)	T176	349
CON EDISON SERVICE B	1115 LAFAYETTE AVE	NNE 1/8 - 1/4 (0.167 mi.)	V178	353
CON EDISON SERVICE B	900 LEXINGTON AVE	E 1/8 - 1/4 (0.170 mi.)	W180	357
CON EDISON	LAFAYETTE AVE & MALC	NW 1/8 - 1/4 (0.171 mi.)	X182	360
CON EDISON SERVICE B	1155 BROADWAY	N 1/8 - 1/4 (0.180 mi.)	P185	364
CON EDISON SERVICE B	1136 LAFAYETTE AVE	NNE 1/8 - 1/4 (0.185 mi.)	V190	376
CON EDISON SERVICE B	584 KOSCIUSKO ST	NNW 1/8 - 1/4 (0.186 mi.)	192	378
CON EDISON	1127 LAFAYETTE ST	NNE 1/8 - 1/4 (0.189 mi.)	V196	385
CON EDISON SERVICE B	1138 LAFAYETTE AVE	NNE 1/8 - 1/4 (0.189 mi.)	V198	387
CON EDISON SERVICE B	1142 BROADWAY	NNW 1/8 - 1/4 (0.190 mi.)	R199	388
CON EDISON	1275 BROADWAY	ENE 1/8 - 1/4 (0.190 mi.)	W201	391
CON EDISON	1285 BROADWAY AVE	E 1/8 - 1/4 (0.191 mi.)	W203	394
CON EDISON SERVICE B	609 VAN BUREN ST	NE 1/8 - 1/4 (0.199 mi.)	Z208	400
MTA NYCT - KOSCIUSKO	KOSCIUSKO ST & BROAD	N 1/8 - 1/4 (0.200 mi.)	AB212	407
CON EDISON SERVICE B	44 MALCOLM X BLVD	NW 1/8 - 1/4 (0.202 mi.)	X215	412
CON EDISON	705 MADISON ST	S 1/8 - 1/4 (0.202 mi.)	Y217	415

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON SERVICE B</b>	<b>703 MADISON ST</b>	<b>S 1/8 - 1/4 (0.204 mi.)</b>	<b>Y221</b>	<b>420</b>
CON EDISON	BROADWAY & RALPH AVE	E 1/8 - 1/4 (0.205 mi.)	W225	426
<b>CON EDISON</b>	<b>BROADWAY &amp; RALPH AVE</b>	<b>E 1/8 - 1/4 (0.205 mi.)</b>	<b>W226</b>	<b>426</b>
<b>CON EDISON SERVICE B</b>	<b>25 KOSSUTH PL</b>	<b>NNE 1/8 - 1/4 (0.206 mi.)</b>	<b>AB227</b>	<b>428</b>
<b>CON EDISON SERVICE B</b>	<b>1150 LAFAYETTE AVE</b>	<b>NNE 1/8 - 1/4 (0.212 mi.)</b>	<b>Z228</b>	<b>430</b>
<b>CON EDISON SERVICE B</b>	<b>715 LEXINGTON AVE</b>	<b>W 1/8 - 1/4 (0.212 mi.)</b>	<b>230</b>	<b>433</b>
<b>NYC DEP</b>	<b>32 RALPH AVE</b>	<b>ESE 1/8 - 1/4 (0.214 mi.)</b>	<b>AC232</b>	<b>441</b>
<b>NYC FIRE DEPT ENGINE</b>	<b>32 RALPH AVE</b>	<b>ESE 1/8 - 1/4 (0.214 mi.)</b>	<b>AC234</b>	<b>448</b>
<b>CON EDISON SERVICE B</b>	<b>685 MADISON ST</b>	<b>SSW 1/8 - 1/4 (0.216 mi.)</b>	<b>Y236</b>	<b>453</b>
<b>CON EDISON SERVICE B</b>	<b>685 MADISON</b>	<b>SSW 1/8 - 1/4 (0.216 mi.)</b>	<b>Y237</b>	<b>455</b>
<b>CON EDISON</b>	<b>621 VAN BUREN ST</b>	<b>NE 1/8 - 1/4 (0.217 mi.)</b>	<b>Z241</b>	<b>464</b>
<b>CON EDISON</b>	<b>1291 BROADWAY AVE</b>	<b>E 1/8 - 1/4 (0.217 mi.)</b>	<b>W245</b>	<b>469</b>
CON EDISON SERVICE B	173 MALCOLM X BLVD	SSW 1/8 - 1/4 (0.218 mi.)	Y250	478
<b>CON EDISON</b>	<b>1289 BROADWAY</b>	<b>ENE 1/8 - 1/4 (0.221 mi.)</b>	<b>AE252</b>	<b>480</b>
NU LYNN CLEANERS	36A RALPH AVE	ESE 1/8 - 1/4 (0.223 mi.)	AC255	484
<b>CON EDISON</b>	<b>648 KOSCIUSKO ST</b>	<b>N 1/8 - 1/4 (0.225 mi.)</b>	<b>AB257</b>	<b>488</b>
<b>CON EDISON SERVICE B</b>	<b>999 LAFAYETTE AVE</b>	<b>WNW 1/8 - 1/4 (0.226 mi.)</b>	<b>AF258</b>	<b>489</b>
<b>CON EDISON SERVICE B</b>	<b>15 GOODWIN PL</b>	<b>ENE 1/8 - 1/4 (0.226 mi.)</b>	<b>AG260</b>	<b>493</b>
<b>CON EDISON SERVICE B</b>	<b>728 MADISON ST</b>	<b>S 1/8 - 1/4 (0.230 mi.)</b>	<b>AA267</b>	<b>508</b>
CON EDISON	BROADWAY & GROVE ST	E 1/8 - 1/4 (0.231 mi.)	AJ269	511
CON EDISON SERVICE B	44 RALPH AVE	ESE 1/8 - 1/4 (0.233 mi.)	AD276	521
CON EDISON SERVICE B	886 BUSHWICK AVE	NE 1/8 - 1/4 (0.235 mi.)	Z279	525
<b>CON EDISON</b>	<b>654 KOSCIUSKO ST</b>	<b>N 1/8 - 1/4 (0.235 mi.)</b>	<b>AL281</b>	<b>527</b>
<b>CON EDISON SERVICE B</b>	<b>BROADWAY &amp; DEKALB AV</b>	<b>NNW 1/8 - 1/4 (0.237 mi.)</b>	<b>AH283</b>	<b>530</b>
<b>CON EDISON</b>	<b>MALCOLM X BLVD &amp; MAD</b>	<b>SSW 1/8 - 1/4 (0.238 mi.)</b>	<b>287</b>	<b>536</b>
<b>AVANT CLEANER CENTER</b>	<b>890 QUINCY ST</b>	<b>E 1/8 - 1/4 (0.239 mi.)</b>	<b>AC289</b>	<b>541</b>
<b>CON EDISON</b>	<b>890 QUINCY ST</b>	<b>E 1/8 - 1/4 (0.239 mi.)</b>	<b>AC293</b>	<b>548</b>
CON EDISON SERVICE B	989 LAFAYETTE AVE	WNW 1/8 - 1/4 (0.244 mi.)	AF297	558
<b>CON EDISON SERVICE B</b>	<b>644 MONROE ST</b>	<b>SW 1/8 - 1/4 (0.244 mi.)</b>	<b>299</b>	<b>561</b>
CON EDISON	35 GOODWIN PL.	ENE 1/8 - 1/4 (0.245 mi.)	AE303	572
NORM MIKE CONTRACTOR	992 GATES AVE	ESE 1/8 - 1/4 (0.245 mi.)	AC306	576
<b>CON EDISON</b>	<b>37 GOODWIN PL SB1185</b>	<b>ENE 1/8 - 1/4 (0.248 mi.)</b>	<b>AE309</b>	<b>581</b>
CON EDISON	37 GOODWIN PL SB1185	ENE 1/8 - 1/4 (0.248 mi.)	AE311	583
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON</b>	<b>778 QUINCY ST FRONT</b>	<b>SSW 0 - 1/8 (0.074 mi.)</b>	<b>F41</b>	<b>82</b>
<b>CON EDISON</b>	<b>776 QUINCY ST</b>	<b>SSW 0 - 1/8 (0.077 mi.)</b>	<b>F45</b>	<b>87</b>
<b>CON EDISON SERVICE B</b>	<b>812 QUINCY ST</b>	<b>SE 0 - 1/8 (0.081 mi.)</b>	<b>E46</b>	<b>88</b>
<b>CON EDISON MANHOLE:</b>	<b>GATES AVE &amp; PATCHEN</b>	<b>SSE 0 - 1/8 (0.111 mi.)</b>	<b>J89</b>	<b>169</b>
<b>CON EDISON SERVICE B</b>	<b>930 GATES AVE</b>	<b>SE 1/8 - 1/4 (0.127 mi.)</b>	<b>J111</b>	<b>209</b>
<b>CON EDISON SERVICE B</b>	<b>940 GATES AVE</b>	<b>SE 1/8 - 1/4 (0.138 mi.)</b>	<b>J138</b>	<b>290</b>
<b>CON EDISON SERVICE B</b>	<b>719 MONROE ST</b>	<b>S 1/8 - 1/4 (0.147 mi.)</b>	<b>O158</b>	<b>321</b>
<b>CON EDISON SERVICE B</b>	<b>713 MADISON ST</b>	<b>S 1/8 - 1/4 (0.200 mi.)</b>	<b>AA211</b>	<b>404</b>
<b>CON EDISON SERVICE B</b>	<b>709 MADISON ST</b>	<b>S 1/8 - 1/4 (0.201 mi.)</b>	<b>AA213</b>	<b>409</b>
<b>CON EDISON SERVICE B</b>	<b>799 MONROE ST</b>	<b>ESE 1/8 - 1/4 (0.217 mi.)</b>	<b>AD238</b>	<b>457</b>
<b>CON EDISON</b>	<b>129 PATCHEN AVE</b>	<b>SSE 1/8 - 1/4 (0.228 mi.)</b>	<b>AI262</b>	<b>499</b>
<b>CON EDISON</b>	<b>131 PATCHEN AVE</b>	<b>SSE 1/8 - 1/4 (0.237 mi.)</b>	<b>AI285</b>	<b>533</b>

## EXECUTIVE SUMMARY

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 10/27/2016 has revealed that there are 3 NY DRYCLEANERS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RODRIGUEZ DRY CLEANER</b> Facility Id: 2-6104-01058	<b>19 PATCHEN AVE</b>	<b>NNE 0 - 1/8 (0.082 mi.)</b>	<b>B48</b>	<b>91</b>
LUCKY SCIENTIFIC FRE Facility Id: 2-6104-00870	1203 BROADWAY	NNE 1/8 - 1/4 (0.134 mi.)	L126	234
AVANTI CLEANING CENT Facility Id: 2-6104-01008	890 QUINCY STREET	E 1/8 - 1/4 (0.239 mi.)	AC292	547

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 08/22/2017 has revealed that there are 6 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOT 73,TAXBLOCK 1623 <b>FORMER LEXINGTON LAU</b>	843 LEXINGTON AVENUE <b>853 LEXINGTON AVENUE</b>	E 0 - 1/8 (0.068 mi.) <b>E 0 - 1/8 (0.082 mi.)</b>	D32 <b>D51</b>	68 <b>101</b>
LOT 40,TAXBLOCK 1618	1005 GREENE AVENUE	NE 0 - 1/8 (0.087 mi.)	H58	116
LOT 21,TAXBLOCK 1628	814 LEXINGTON AVENUE	E 0 - 1/8 (0.093 mi.)	D67	128
LOT 25,TAXBLOCK 1623	1038 GREENE AVENUE	ENE 0 - 1/8 (0.108 mi.)	H87	168
LOT 22,TAXBLOCK 1618	1224 BROADWAY	NE 0 - 1/8 (0.122 mi.)	H105	203

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 07/31/2017 has revealed that there are 141 NY MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>METAL COLORS CORP</b> EPA ID: NYR000026047	<b>770 LEXINGTON AVE</b>	<b>SSW 0 - 1/8 (0.012 mi.)</b>	<b>A2</b>	<b>10</b>
CON EDISON EPA ID: NYP004744926 EPA ID: NYP004745162	754 LEXINGTON AVE	SW 0 - 1/8 (0.032 mi.)	A10	27
<b>WROUGHT ORIGINALS</b> EPA ID: NYR000018069	<b>847 LEXINGTON AVE</b>	<b>E 0 - 1/8 (0.049 mi.)</b>	<b>D20</b>	<b>42</b>
<b>CON EDISON - MANHOLE</b> EPA Id: NYP004187142	<b>987 GREENE AVE</b>	<b>NE 0 - 1/8 (0.052 mi.)</b>	<b>B21</b>	<b>46</b>
CON EDISON EPA ID: NYP004485405	956 GREENE AVE	WNW 0 - 1/8 (0.057 mi.)	C23	51
CON EDISON EPA ID: NYP004528535	796 LEXINGTON AVE	ESE 0 - 1/8 (0.057 mi.)	D24	52
<b>CON EDISON SERVICE B</b>	<b>796 LEXINGTON AVE SB</b>	<b>ESE 0 - 1/8 (0.057 mi.)</b>	<b>D25</b>	<b>54</b>

## EXECUTIVE SUMMARY

EPA ID: NYP004411682				
<b>CON EDISON SERVICE B</b>	<b>796 LEXINGTON AVE SB</b>	<b>ESE 0 - 1/8 (0.057 mi.)</b>	<b>D26</b>	<b>56</b>
EPA ID: NYP004411674				
<b>CON EDISON SERVICE B</b>	<b>954 GREENE AVE</b>	<b>WNW 0 - 1/8 (0.060 mi.)</b>	<b>C27</b>	<b>59</b>
EPA ID: NYP004447785				
<b>CON EDISON SERVICE B</b>	<b>508 VAN BUREN ST</b>	<b>N 0 - 1/8 (0.068 mi.)</b>	<b>B33</b>	<b>68</b>
EPA ID: NYP004348538				
CON ED	518 VAN BUREN ST	N 0 - 1/8 (0.070 mi.)	B35	72
EPA ID: NYP004759171				
CON EDISON	804 LEXINGTON AVE	E 0 - 1/8 (0.071 mi.)	D38	77
EPA ID: NYP004528527				
CON EDISON	729 QUINCY ST	SW 0 - 1/8 (0.075 mi.)	F42	83
EPA ID: NYP004822884				
<b>RODRIGUEZ DRY CLEANE</b>	<b>19 PATCHEN AVE</b>	<b>NNE 0 - 1/8 (0.082 mi.)</b>	<b>B48</b>	<b>91</b>
EPA ID: NYD982797326				
<b>FORMER LEXINGTON LAU</b>	<b>853 LEXINGTON AVENUE</b>	<b>E 0 - 1/8 (0.082 mi.)</b>	<b>D51</b>	<b>101</b>
EPA ID: NYR000228353				
CON EDISON	FRONT OF 785 QUINCY	ESE 0 - 1/8 (0.083 mi.)	D53	106
EPA ID: NYP004702718				
EPA ID: NYP004566394				
<b>CON EDISON SERVICE B</b>	<b>944 GREENE AVE</b>	<b>W 0 - 1/8 (0.085 mi.)</b>	<b>G55</b>	<b>110</b>
EPA ID: NYP004446993				
<b>CON EDISON SERVICE B</b>	<b>768 QUINCY ST</b>	<b>SSW 0 - 1/8 (0.087 mi.)</b>	<b>F59</b>	<b>117</b>
EPA ID: NYP004448379				
CON EDISON	942 GREENE AVE	W 0 - 1/8 (0.089 mi.)	G62	121
EPA ID: NYP004773974				
CON EDISON	766 QUINCY ST FRONT	SSW 0 - 1/8 (0.089 mi.)	F63	123
EPA ID: NYP004779963				
CON EDISON	791 QUINCY ST	ESE 0 - 1/8 (0.092 mi.)	D66	127
EPA ID: NYP004577912				
<b>CON EDISON SERVICE B</b>	<b>505 VAN BUREN ST</b>	<b>NNW 0 - 1/8 (0.093 mi.)</b>	<b>I68</b>	<b>129</b>
EPA ID: NYP004346276				
CON EDISON	507 VAN BUREN ST	N 0 - 1/8 (0.093 mi.)	I69	131
EPA ID: NYP004588018				
CON EDISON	501 VAN BUREN ST	NNW 0 - 1/8 (0.093 mi.)	I70	133
EPA ID: NYP004616868				
<b>CON EDISON SERVICE B</b>	<b>931 GREENE AVE</b>	<b>WNW 0 - 1/8 (0.095 mi.)</b>	<b>G71</b>	<b>134</b>
EPA ID: NYP004446985				
EPA ID: NYP004840084				
<b>CON EDISON SERVICE B</b>	<b>105 MALCOLM X BLVD</b>	<b>WSW 0 - 1/8 (0.097 mi.)</b>	<b>G75</b>	<b>141</b>
EPA ID: NYP004337796				
CON EDISON	760 QUINCY ST	SW 0 - 1/8 (0.099 mi.)	F78	146
EPA ID: NYP004750667				
CON EDISON	18 PATCHEN AVE	N 0 - 1/8 (0.102 mi.)	I80	149
EPA ID: NYP004742060				
<b>CON EDISON SERVICE B</b>	<b>463 VAN BUREN ST</b>	<b>NW 0 - 1/8 (0.112 mi.)</b>	<b>K90</b>	<b>171</b>
EPA ID: NYP004349858				
CON EDISON	1202 BROADWAY	NNE 0 - 1/8 (0.116 mi.)	L92	175

## EXECUTIVE SUMMARY

EPA ID: NYP004540324				
<b>DU DRY CLEANERS</b>	<b>125 MALCOLM X BLVD</b>	<b>SW 0 - 1/8 (0.117 mi.)</b>	<b>M93</b>	<b>177</b>
EPA ID: NYD982188872				
CON EDISON	809 QUINCY ST	ESE 0 - 1/8 (0.119 mi.)	N96	182
EPA ID: NYP004796256				
CON EDISON	75 MALCOLM X	WNW 0 - 1/8 (0.120 mi.)	K97	184
EPA ID: NYP004498358				
CON EDISON	1084 LAFAYETTE AVE	N 0 - 1/8 (0.122 mi.)	I102	200
EPA ID: NYP004486593				
CON EDISON	1224 BROADWAY	NE 0 - 1/8 (0.122 mi.)	H106	204
EPA ID: NYP004515573				
CON EDISON	1056 LAFAYETTE AVE	NNW 1/8 - 1/4 (0.127 mi.)	K110	208
EPA ID: NYP004522876				
NYCDEP	VAN BUREN & BROADWAY	NE 1/8 - 1/4 (0.130 mi.)	H112	211
EPA ID: NYP003661014				
CON EDISON	1050 LAFAYETTE AVE	NW 1/8 - 1/4 (0.130 mi.)	K114	214
EPA ID: NYP004497103				
<b>CON EDISON</b>	<b>71 MALCOLM X BLVD</b>	<b>NW 1/8 - 1/4 (0.130 mi.)</b>	<b>K116</b>	<b>218</b>
EPA ID: NYP004187134				
CON EDISON	135A MALCOLM X	SW 1/8 - 1/4 (0.131 mi.)	M117	221
EPA ID: NYP004573218				
<b>CON EDISON SERVICE B</b>	<b>135 MALCOLM X BLVD</b>	<b>SW 1/8 - 1/4 (0.131 mi.)</b>	<b>M118</b>	<b>223</b>
EPA ID: NYP004419321				
CON EDISON	135A MALCOLM X BLVD	SW 1/8 - 1/4 (0.131 mi.)	M121	227
EPA ID: NYP004524799				
CON EDISON	844 QUINCY ST	ESE 1/8 - 1/4 (0.134 mi.)	N123	229
EPA ID: NYP004766200				
CON EDISON	LAFAYETTE AVE & PATC	N 1/8 - 1/4 (0.134 mi.)	P129	237
EPA ID: NYP004773321				
CON EDISON	755 LEXINGTON AVE	W 1/8 - 1/4 (0.136 mi.)	Q131	239
EPA ID: NYP004495230				
CON EDISON	1046 LAFAYETTE AVE	NW 1/8 - 1/4 (0.137 mi.)	K133	283
EPA ID: NYP004863284				
CON EDISON	1046 LAFAYETTE AVE	NW 1/8 - 1/4 (0.137 mi.)	K134	284
EPA ID: NYP004862641				
CON EDISON	MALCOLM X BLVD & VAN	WNW 1/8 - 1/4 (0.138 mi.)	K135	286
EPA ID: NYP004507976				
CON EDISON	VAN BUREN ST & MALCO	WNW 1/8 - 1/4 (0.138 mi.)	K137	289
EPA ID: NYP004498648				
CON EDISON	1042 LAFFAYETTE AVE	NW 1/8 - 1/4 (0.140 mi.)	K143	300
EPA ID: NYP004825457				
CON EDISON	1209 BROADWAY	NE 1/8 - 1/4 (0.144 mi.)	L147	306
EPA ID: NYP004515235				
CON EDISON	1079 LAFAYETTE AVE	NNW 1/8 - 1/4 (0.144 mi.)	R150	309
EPA ID: NYP004488821				
CON EDISON	BROADWAY & GREENE AV	ENE 1/8 - 1/4 (0.146 mi.)	S151	311

## EXECUTIVE SUMMARY

EPA ID: NYP004745972					
CON EDISON	GREENE AVE & BROADWA	ENE 1/8 - 1/4 (0.146 mi.)	S152	312	
EPA ID: NYP004493144					
CON ED	573 VAN BUREN ST & B	NE 1/8 - 1/4 (0.147 mi.)	L157	319	
EPA ID: NYP004799227					
EPA ID: NYP004863912					
CON EDISON	1185 BROADWAY	NNE 1/8 - 1/4 (0.147 mi.)	L160	325	
EPA ID: NYP004725701					
CON EDISON	1038 LAFAYETTE AVE	NW 1/8 - 1/4 (0.147 mi.)	K163	328	
EPA ID: NYP004488813					
<b>CON EDISON SERVICE B</b>	<b>695 QUINCY ST</b>	<b>WSW 1/8 - 1/4 (0.153 mi.)</b>	<b>Q164</b>	<b>330</b>	
EPA ID: NYP004328449					
CON EDISON	695 QUINCY ST	WSW 1/8 - 1/4 (0.153 mi.)	Q165	332	
EPA ID: NYP004657375					
EPA ID: NYP004614376					
FAMILY DOLLAR STORE	1165A BROADWAY	N 1/8 - 1/4 (0.153 mi.)	P166	335	
EPA ID: NYR000215095					
CON EDISON	693 QUINCY ST	WSW 1/8 - 1/4 (0.156 mi.)	T168	339	
EPA ID: NYP004587556					
<b>CON EDISON SERVICE B</b>	<b>585 VAN BUREN ST</b>	<b>NE 1/8 - 1/4 (0.158 mi.)</b>	<b>L170</b>	<b>341</b>	
EPA ID: NYP004465753					
CON EDISON	885 GATES AVE	SW 1/8 - 1/4 (0.159 mi.)	M172	344	
EPA ID: NYP004485603					
CON EDISON	903 GREENE AVE	W 1/8 - 1/4 (0.160 mi.)	U175	348	
EPA ID: NYP004830812					
<b>CON EDISON SERVICE B</b>	<b>691 QUINCY ST</b>	<b>WSW 1/8 - 1/4 (0.160 mi.)</b>	<b>T176</b>	<b>349</b>	
EPA ID: NYP004387221					
CON EDISON	OPP 1115 LAFAYETTE A	NNE 1/8 - 1/4 (0.167 mi.)	V179	354	
EPA ID: NYP004578977					
EPA ID: NYP004615365					
<b>CON EDISON SERVICE B</b>	<b>900 LEXINGTON AVE</b>	<b>E 1/8 - 1/4 (0.170 mi.)</b>	<b>W180</b>	<b>357</b>	
EPA ID: NYP004437505					
CON ED	LAFAYETTE AVE & MALC	NW 1/8 - 1/4 (0.171 mi.)	X183	362	
EPA ID: NYP004831554					
CON EDISON	1155 BROADWAY	N 1/8 - 1/4 (0.180 mi.)	P184	362	
EPA ID: NYP004486601					
<b>PS 26K SCHOOL</b>	<b>1014 LAFAYETTE AVE</b>	<b>NW 1/8 - 1/4 (0.185 mi.)</b>	<b>X188</b>	<b>370</b>	
EPA ID: NYR000012021					
CON EDISON	1136 LAFAYETTE AVE	NNE 1/8 - 1/4 (0.185 mi.)	V191	377	
EPA ID: NYP004567400					
<b>CON EDISON SERVICE B</b>	<b>584 KOSCIUSKO ST</b>	<b>NNW 1/8 - 1/4 (0.186 mi.)</b>	<b>192</b>	<b>378</b>	
EPA ID: NYP004478319					
CON EDISON	684 MONROE ST	SSW 1/8 - 1/4 (0.189 mi.)	Y193	381	
EPA ID: NYP004645784					
CON EDISON	1127 LAFAYETTE ST	NNE 1/8 - 1/4 (0.189 mi.)	V194	382	
EPA ID: NYP004724225					
CON EDISON	1138 LAFAYETTE AVE	NNE 1/8 - 1/4 (0.189 mi.)	V197	386	



## EXECUTIVE SUMMARY

EPA ID: NYP004485579				
CON EDISON	1142 BROADWAY	NNW 1/8 - 1/4 (0.190 mi.)	R200	390
EPA ID: NYP004524625				
CON EDISON	1285 BROADWAY AVE	E 1/8 - 1/4 (0.191 mi.)	W205	396
EPA ID: NYP004759031				
CON EDISON	609 VAN BUREN ST	NE 1/8 - 1/4 (0.199 mi.)	Z206	397
EPA ID: NYP004496477				
CON EDISON	1275 BROADWAY	ENE 1/8 - 1/4 (0.199 mi.)	W209	401
EPA ID: NYP004759809				
CON EDISON	BROADWAY & RALPH AVE	ENE 1/8 - 1/4 (0.199 mi.)	W210	403
EPA ID: NYP004745766				
<b>MTA NYCT - KOSCIUSKO</b>	<b>KOSCIUSKO ST &amp; BROAD</b>	<b>N 1/8 - 1/4 (0.200 mi.)</b>	<b>AB212</b>	<b>407</b>
EPA ID: NYR000082123				
CON EDISON	44 MALCOLM X BLVD	NW 1/8 - 1/4 (0.202 mi.)	X216	413
EPA ID: NYP004488805				
CON EDISON	705 MADISON ST	S 1/8 - 1/4 (0.202 mi.)	Y218	416
EPA ID: NYP004779955				
<b>CON EDISON SERVICE B</b>	<b>703 MADISON ST</b>	<b>S 1/8 - 1/4 (0.204 mi.)</b>	<b>Y221</b>	<b>420</b>
EPA ID: NYP004436069				
CON EDISON	BROADWAY & RALPH AVE	E 1/8 - 1/4 (0.205 mi.)	W222	422
EPA ID: NYP004745774				
<b>CON EDISON SERVICE B</b>	<b>25 KOSSUTH PL</b>	<b>NNE 1/8 - 1/4 (0.206 mi.)</b>	<b>AB227</b>	<b>428</b>
EPA ID: NYP004378774				
CON EDISON	1150 LAFAYETTE AVE	NNE 1/8 - 1/4 (0.212 mi.)	Z229	431
EPA ID: NYP004485587				
<b>CON EDISON SERVICE B</b>	<b>715 LEXINGTON AVE</b>	<b>W 1/8 - 1/4 (0.212 mi.)</b>	<b>230</b>	<b>433</b>
EPA ID: NYP004459970				
<b>NYC DEP</b>	<b>32 RALPH AVE</b>	<b>ESE 1/8 - 1/4 (0.214 mi.)</b>	<b>AC232</b>	<b>441</b>
EPA ID: NYP003665619				
<b>CON EDISON SERVICE B</b>	<b>685 MADISON ST</b>	<b>SSW 1/8 - 1/4 (0.216 mi.)</b>	<b>Y236</b>	<b>453</b>
EPA ID: NYP004337218				
<b>CON EDISON SERVICE B</b>	<b>685 MADISON</b>	<b>SSW 1/8 - 1/4 (0.216 mi.)</b>	<b>Y237</b>	<b>455</b>
EPA ID: NYP004360863				
CON ED	621 VAN BUREN ST	NE 1/8 - 1/4 (0.217 mi.)	Z239	460
EPA ID: NYP004824955				
CON EDISON	1291 BROADWAY AVE	E 1/8 - 1/4 (0.217 mi.)	W242	465
EPA ID: NYP004759056				
CON EDISON	1291 BROADWAY	E 1/8 - 1/4 (0.217 mi.)	W244	467
EPA ID: NYP004720074				
CON EDISON	173 MALCOLMX BLVD	SSW 1/8 - 1/4 (0.218 mi.)	Y248	475
EPA ID: NYP004658563				
CON EDISON	173 MALCOLM X BLVD	SSW 1/8 - 1/4 (0.218 mi.)	Y249	477
EPA ID: NYP004512042				
CON EDISON	1289 BROADWAY	ENE 1/8 - 1/4 (0.221 mi.)	AE253	481
EPA ID: NYP004761565				
CON EDISON	646 KOSCIUSKO ST	N 1/8 - 1/4 (0.222 mi.)	AB254	483

## EXECUTIVE SUMMARY

EPA ID: NYP004622403				
<b>CON EDISON SERVICE B</b>	<b>999 LAFAYETTE AVE</b>	<b>WNW 1/8 - 1/4 (0.226 mi.)</b>	<b>AF258</b>	<b>489</b>
EPA ID: NYP004412102				
CONSOLIDATED EDISON	GATES & RALPH AVES M	ESE 1/8 - 1/4 (0.226 mi.)	AC259	491
EPA ID: NYP004127585				
<b>CON EDISON SERVICE B</b>	<b>15 GOODWIN PL</b>	<b>ENE 1/8 - 1/4 (0.226 mi.)</b>	<b>AG260</b>	<b>493</b>
EPA ID: NYP004475539				
<b>CON EDISON - MANHOLE</b>	<b>1114 DEKALB AVE</b>	<b>NNW 1/8 - 1/4 (0.227 mi.)</b>	<b>AH261</b>	<b>495</b>
EPA ID: NYP004187191				
CON EDISON	898 BUSHWICK AVE	NE 1/8 - 1/4 (0.229 mi.)	Z265	504
EPA ID: NYP004501193				
<b>CON EDISON SERVICE B</b>	<b>728 MADISON ST</b>	<b>S 1/8 - 1/4 (0.230 mi.)</b>	<b>AA267</b>	<b>508</b>
EPA ID: NYP004428090				
CON ED	BROADWAY & GROVE ST	E 1/8 - 1/4 (0.231 mi.)	AJ268	510
EPA ID: NYP004770087				
CON EDISON	878 BUSHWICK AV	NNE 1/8 - 1/4 (0.231 mi.)	AK271	514
EPA ID: NYP004653635				
CON EDISON	878 BUSHWICK AVE	NNE 1/8 - 1/4 (0.231 mi.)	AK272	515
EPA ID: NYP004622429				
CON EDISON	878 BUSHWICK AV	NNE 1/8 - 1/4 (0.231 mi.)	AK273	516
EPA ID: NYP004653655				
CON EDISON	1100 DEKLAB AVE	NNW 1/8 - 1/4 (0.232 mi.)	AH274	518
EPA ID: NYP004582375				
CON EDISON	1098 DEKALB AVE	NNW 1/8 - 1/4 (0.233 mi.)	AH275	519
EPA ID: NYP004622890				
CON EDISON	44 RALPH AVE	ESE 1/8 - 1/4 (0.233 mi.)	AD277	522
EPA ID: NYP004518460				
CON EDISON	886 BUSHWICK AVE	NE 1/8 - 1/4 (0.235 mi.)	Z278	523
EPA ID: NYP004486916				
CON ED	654 KOSCIUSKO ST	N 1/8 - 1/4 (0.235 mi.)	AL280	526
EPA ID: NYP004829317				
<b>CON EDISON SERVICE B</b>	<b>BROADWAY &amp; DEKALB AV</b>	<b>NNW 1/8 - 1/4 (0.237 mi.)</b>	<b>AH283</b>	<b>530</b>
EPA ID: NYP004445649				
<b>CON EDISON</b>	<b>MALCOLM X BLVD &amp; MAD</b>	<b>SSW 1/8 - 1/4 (0.238 mi.)</b>	<b>287</b>	<b>536</b>
EPA ID: NYP004185526				
<b>AVANT CLEANER CENTER</b>	<b>890 QUINCY ST</b>	<b>E 1/8 - 1/4 (0.239 mi.)</b>	<b>AC289</b>	<b>541</b>
EPA ID: NYD066072919				
CON EDISON	890 QUINCY ST	E 1/8 - 1/4 (0.239 mi.)	AC291	546
EPA ID: NYP004781316				
CON EDISON	989 LAFAYETTE AVE	WNW 1/8 - 1/4 (0.244 mi.)	AF298	559
EPA ID: NYP004533212				
<b>CON EDISON SERVICE B</b>	<b>644 MONROE ST</b>	<b>SW 1/8 - 1/4 (0.244 mi.)</b>	<b>299</b>	<b>561</b>
EPA ID: NYP004424859				
<b>P.S. 274 KOSCIUSKO S</b>	<b>800 BUSHWICK AVE</b>	<b>N 1/8 - 1/4 (0.245 mi.)</b>	<b>AB302</b>	<b>567</b>
EPA ID: NYD987007952				
CON EDISON	35 GOODWIN PL.	ENE 1/8 - 1/4 (0.245 mi.)	AE305	574

## EXECUTIVE SUMMARY

EPA ID: NYP004778585				
CON EDISON	37 GOODWIN PL SB1185	ENE 1/8 - 1/4 (0.248 mi.)	AE308	579
EPA ID: NYP004808954				
CON EDISON	37 GOODWIN PL SB1185	ENE 1/8 - 1/4 (0.248 mi.)	AE310	582
EPA ID: NYP004808947				
CON EDISON - MANHOLE	BUSHWICK AVE & LAFAY	NNE 1/8 - 1/4 (0.248 mi.)	AK314	586
EPA ID: NYP004978098				
CON EDISON	47 RALPH AV	ESE 1/8 - 1/4 (0.249 mi.)	AM315	587
EPA ID: NYP004712949				
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
<b>CON EDISON - MANHOLE</b>	<b>792 QUINCY STREET</b>	<b>S 0 - 1/8 (0.070 mi.)</b>	<b>E37</b>	<b>74</b>
EPA ID: NYP004288312				
CON EDISON	778 QUINCY ST FRONT	SSW 0 - 1/8 (0.074 mi.)	F40	80
EPA ID: NYP004779773				
CON EDISON	812 QUINCY ST	SE 0 - 1/8 (0.081 mi.)	E47	89
EPA ID: NYP004558961				
<b>CON EDISON MANHOLE:</b>	<b>GATES AVE &amp; PATCHEN</b>	<b>SSE 0 - 1/8 (0.111 mi.)</b>	<b>J89</b>	<b>169</b>
EPA ID: NYP004438636				
CON EDISON	904 GATES AVE	S 0 - 1/8 (0.121 mi.)	J98	185
EPA ID: NYP004706289				
CON EDISON	906 GATES AVE	S 0 - 1/8 (0.121 mi.)	J99	187
EPA ID: NYP004616025				
<b>CON EDISON SERVICE B</b>	<b>930 GATES AVE</b>	<b>SE 1/8 - 1/4 (0.127 mi.)</b>	<b>J111</b>	<b>209</b>
EPA ID: NYP004438610				
<b>CON EDISON SERVICE B</b>	<b>940 GATES AVE</b>	<b>SE 1/8 - 1/4 (0.138 mi.)</b>	<b>J138</b>	<b>290</b>
EPA ID: NYP004438628				
<b>CON EDISON SERVICE B</b>	<b>719 MONROE ST</b>	<b>S 1/8 - 1/4 (0.147 mi.)</b>	<b>O158</b>	<b>321</b>
EPA ID: NYP004349684				
CON ED	759 MONROE STREET	SE 1/8 - 1/4 (0.164 mi.)	177	352
EPA ID: NYP004856116				
<b>CON EDISON SERVICE B</b>	<b>713 MADISON ST</b>	<b>S 1/8 - 1/4 (0.200 mi.)</b>	<b>AA211</b>	<b>404</b>
EPA ID: NYP004372942				
CON EDISON	709 MADISON ST	S 1/8 - 1/4 (0.201 mi.)	AA214	411
EPA ID: NYP004518668				
<b>CON EDISON SERVICE B</b>	<b>799 MONROE ST</b>	<b>ESE 1/8 - 1/4 (0.217 mi.)</b>	<b>AD238</b>	<b>457</b>
EPA ID: NYP004328415				
<b>CON ED</b>	<b>129 PATCHEN AVE</b>	<b>SSE 1/8 - 1/4 (0.229 mi.)</b>	<b>AI264</b>	<b>501</b>
EPA ID: NYP004805743				
CON EDISON	131 PATCHEN AVE	SSE 1/8 - 1/4 (0.237 mi.)	AI284	532
EPA ID: NYP004731014				
<b>NYC DEPT OF ED - PUB</b>	<b>794 MONROE ST</b>	<b>SE 1/8 - 1/4 (0.243 mi.)</b>	<b>AD296</b>	<b>554</b>
EPA ID: NYR000176529				

## EXECUTIVE SUMMARY

### RI MANIFEST: Hazardous waste manifest information

A review of the RI MANIFEST list, as provided by EDR, and dated 12/31/2013 has revealed that there is 1 RI MANIFEST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RODRIGUEZ DRY CLEANER</b> EPA ID: NYD982797326	<b>19 PATCHEN AVE</b>	<b>NNE 0 - 1/8 (0.082 mi.)</b>	<b>B48</b>	<b>91</b>

### NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2016 has revealed that there are 43 NJ MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDISON EPA Id: NYP004744926	754 LEXINGTON	SW 0 - 1/8 (0.032 mi.)	A8	25
CON EDISON EPA Id: NYP004745162	754 LEXINGTON AVE	SW 0 - 1/8 (0.032 mi.)	A9	26
CON EDISON EPA Id: NYP004883167	971 GREENE AVE	N 0 - 1/8 (0.042 mi.)	A17	38
<b>CON EDISON - MANHOLE</b> EPA Id: NYP004187142	<b>987 GREENE AVE</b>	<b>NE 0 - 1/8 (0.052 mi.)</b>	<b>B21</b>	<b>46</b>
CON EDISON EPA Id: NYP004759171	518 VAN BUREN ST	N 0 - 1/8 (0.070 mi.)	B34	71
CON EDISON EPA Id: NYP004822884	729 QUINCY ST	SW 0 - 1/8 (0.075 mi.)	F44	86
CON EDISON EPA Id: NYP004773974	942 GREENE AVE	W 0 - 1/8 (0.089 mi.)	G60	119
CON EDISON EPA Id: NYP004779963	766 QUINCY ST FRONT	SSW 0 - 1/8 (0.089 mi.)	F64	124
CON EDISON EPA Id: NYP004840084	931 GREENE AVE	WNW 0 - 1/8 (0.095 mi.)	G72	138
CON EDISON EPA Id: NYP004750667	760 QUINCY ST	SW 0 - 1/8 (0.099 mi.)	F77	145
CON EDISON EPA Id: NYP004742060	18 PATCHEN AVE	N 0 - 1/8 (0.105 mi.)	I82	152
CON EDISON EPA Id: NYP004796256	809 QUINCY ST	ESE 0 - 1/8 (0.119 mi.)	N95	181
<b>CON EDISON</b> EPA ID: NYP004187134	<b>71 MALCOLM X BLVD</b>	<b>NW 1/8 - 1/4 (0.130 mi.)</b>	<b>K116</b>	<b>218</b>
CON EDISON EPA Id: NYP004766200	844 QUINCY ST	ESE 1/8 - 1/4 (0.134 mi.)	N122	228
CON EDISON EPA Id: NYP004773321	LAFAYETTE AVE & PATC	N 1/8 - 1/4 (0.134 mi.)	P127	234
CON EDISON EPA Id: NYP004825457	1042 LAFFAYETTE AVE	NW 1/8 - 1/4 (0.140 mi.)	K144	301
CON EDISON	573 VAN BUREN ST	NE 1/8 - 1/4 (0.147 mi.)	L155	317

## EXECUTIVE SUMMARY

EPA Id: NYP004799227				
CON EDISON	1185 BROADWAY	NNE 1/8 - 1/4 (0.147 mi.)	L159	324
EPA Id: NYP004725701				
CON EDISON	903 GREENE AVE	W 1/8 - 1/4 (0.160 mi.)	U173	346
EPA Id: NYP004830812				
CON EDISON	LAFAYETTE AVE & MALC	NW 1/8 - 1/4 (0.171 mi.)	X181	359
EPA Id: NYP004831554				
CON EDISON	1127 LAFAYETTE ST	NNE 1/8 - 1/4 (0.189 mi.)	V195	384
EPA Id: NYP004724225				
CON EDISON	1275 BROADWAY	ENE 1/8 - 1/4 (0.190 mi.)	W202	392
EPA Id: NYP004759809				
CON EDISON	1285 BROADWAY AVE	E 1/8 - 1/4 (0.191 mi.)	W204	395
EPA Id: NYP004759031				
CON EDISON SERVICE B	609 VAN BUREN ST	NE 1/8 - 1/4 (0.199 mi.)	Z207	399
EPA Id: NYP004496477				
CON EDISON	705 MADISON ST	S 1/8 - 1/4 (0.202 mi.)	Y219	417
EPA Id: NYP004779955				
CON EDISON	BROADWAY & RALPH AVE	E 1/8 - 1/4 (0.205 mi.)	W223	423
EPA Id: NYP004745774				
CON EDISON	BROADWAY & RALPH AVE	E 1/8 - 1/4 (0.205 mi.)	W224	424
EPA Id: NYP004745766				
CON EDISON	621 VAN BUREN ST	NE 1/8 - 1/4 (0.217 mi.)	Z240	462
EPA Id: NYP004824955				
CON EDISON	1291 BROADWAY AVE	E 1/8 - 1/4 (0.217 mi.)	W243	466
EPA Id: NYP004759056				
CON EDISON	1289 BROADWAY	ENE 1/8 - 1/4 (0.221 mi.)	AE251	479
EPA Id: NYP004761565				
CON EDISON	648 KOSCIUSKO ST	N 1/8 - 1/4 (0.225 mi.)	AB256	486
EPA Id: NYP004761011				
<b>CON EDISON - MANHOLE</b>	<b>1114 DEKALB AVE</b>	<b>NNW 1/8 - 1/4 (0.227 mi.)</b>	<b>AH261</b>	<b>495</b>
EPA Id: NYP004187191				
CON EDISON	BROADWAY & GROVE ST	E 1/8 - 1/4 (0.231 mi.)	AJ270	513
EPA Id: NYP004770087				
CON EDISON	654 KOSCIUSKO ST	N 1/8 - 1/4 (0.235 mi.)	AL282	528
EPA Id: NYP004829317				
<b>CON EDISON</b>	<b>MALCOLM X BLVD &amp; MAD</b>	<b>SSW 1/8 - 1/4 (0.238 mi.)</b>	<b>287</b>	<b>536</b>
EPA ID: NYP004185526				
CON EDISON	890 QUINCY ST	E 1/8 - 1/4 (0.239 mi.)	AC290	545
EPA Id: NYP004781316				
CON EDISON	35 GOODWIN PL.	ENE 1/8 - 1/4 (0.245 mi.)	AE304	573
EPA Id: NYP004778585				
CON EDISON	37 GOODWIN PL SB1185	ENE 1/8 - 1/4 (0.248 mi.)	AE312	584
EPA Id: NYP004808954				
CON EDISON	37 GOODWIN PL SB1185	ENE 1/8 - 1/4 (0.248 mi.)	AE313	585
EPA Id: NYP004808947				
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
CON EDISON	778 QUINCY ST FRONT	SSW 0 - 1/8 (0.074 mi.)	F39	79

## EXECUTIVE SUMMARY

EPA Id: NYP004779773				
CON EDISON	129 PATCHEN AVE	SSE 1/8 - 1/4 (0.228 mi.)	AI263	500
EPA Id: NYP004805743				
CON EDISON	131 PATCHEN AVE	SSE 1/8 - 1/4 (0.237 mi.)	AI286	535
EPA Id: NYP004731014				
<b>PUBLIC SCHOOL 309K</b>	<b>7794 MONROE ST</b>	<b>SE 1/8 - 1/4 (0.243 mi.)</b>	<b>AD295</b>	<b>551</b>
EPA Id: NYR000176529				

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PATCHEN SERVICE STAT	1096 LAFAYETTE AVE	N 0 - 1/8 (0.123 mi.)	I108	206

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAZARDOS CLEANERS	19 PATCHEN AVE	NNE 0 - 1/8 (0.082 mi.)	B49	99

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

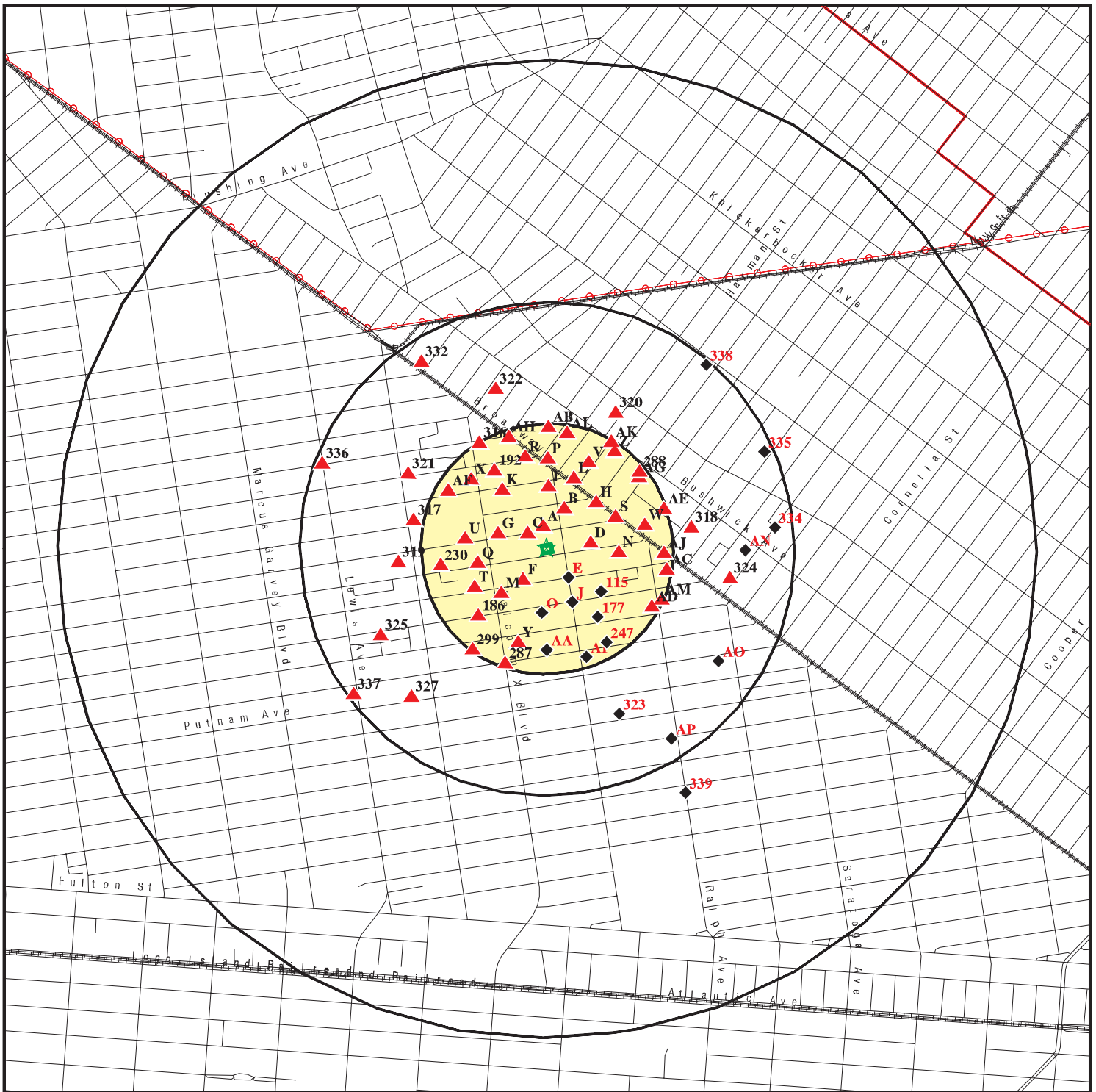
Site Name







MORGAN OIL TERMINAL  
K - SCHOLLES ST. STATION  
GULF STATION





Database(s)

NY SHWS  
NY SHWS, NY BROWNFIELDS  
NY LTANKS

# OVERVIEW MAP - 5090931.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  County Boundary
-  Power transmission lines
-  Upgradient Area

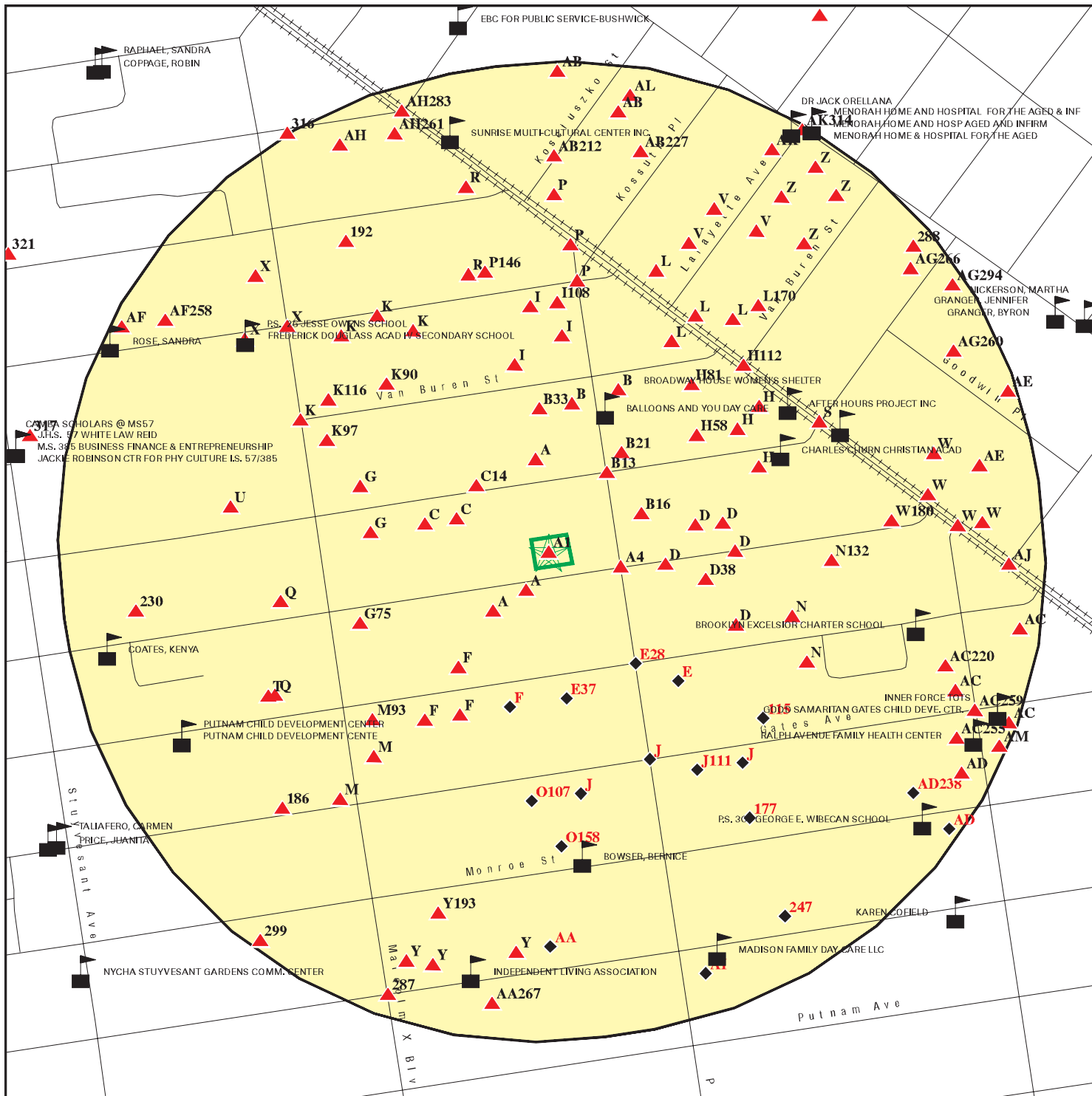
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.








SITE NAME: 811-817 Lexington Avenue  
 ADDRESS: 811 Lexington Avenue  
 Brooklyn NY 11221  
 LAT/LONG: 40.69049 / 73.928275

CLIENT: The ALC Group, LLC T/A ALC  
 CONTACT: Tania Castro  
 INQUIRY #: 5090931.2s  
 DATE: October 30, 2017 1:02 pm



# DETAIL MAP - 5090931.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites



 Indian Reservations BIA



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: 811-817 Lexington Avenue          ADDRESS: 811 Lexington Avenue          Brooklyn NY 11221          LAT/LONG: 40.69049 / 73.928275</p>	<p>CLIENT: The ALC Group, LLC T/A ALC          CONTACT: Tania Castro          INQUIRY #: 5090931.2s          DATE: October 30, 2017 1:04 pm</p>
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## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		2	4	NR	NR	NR	6
RCRA-SQG	0.250		2	0	NR	NR	NR	2
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
NY SHWS	1.000		0	0	0	1	NR	1
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
NY SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.500		1	7	22	NR	NR	30
NY HIST LTANKS	0.500		0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><i>State and tribal registered storage tank lists</i></b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
NY UST	0.250	1	6	6	NR	NR	NR	13
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY AST	0.250		5	12	NR	NR	NR	17
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500		0	1	0	NR	NR	1
NY INST CONTROL	0.500		0	1	0	NR	NR	1
<b><i>State and tribal voluntary cleanup sites</i></b>								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b><i>State and tribal Brownfields sites</i></b>								
NY BROWNFIELDS	0.500		3	1	1	NR	NR	5
NY ERP	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<b><i>Local Lists of Registered Storage Tanks</i></b>								
NY HIST UST	0.250		0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY HIST AST	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
NY LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		14	NR	NR	NR	NR	14
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		35	80	NR	NR	NR	115
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		1	2	NR	NR	NR	3
NY E DESIGNATION	0.125		6	NR	NR	NR	NR	6
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY MANIFEST	0.250		41	100	NR	NR	NR	141
RI MANIFEST	0.250		1	0	NR	NR	NR	1
NJ MANIFEST	0.250		13	30	NR	NR	NR	43
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### ***Exclusive Recovered Govt. Archives***

NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NY RGA LF	TP		NR	NR	NR	NR	NR	0

- Totals --		1	132	245	23	1	0	402
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#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	S109064325	GULF STATION	2992 LINDEN BLVD		NY LTANKS
BROOKLYN	S113916666	MORGAN OIL TERMINAL	224038 MORGAN OIL TERMINAL		NY SHWS
BROOKLYN	S110487592	K - SCHOLES ST. STATION	SCHOLES ST 7 BOGART STS, MESSE	11206	NY SHWS, NY BROWNFIELDS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/08/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Quarterly

#### NPL Site Boundaries

##### Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 10/06/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/11/2017	Source: EPA
Date Data Arrived at EDR: 07/21/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/20/2017
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/29/2018
	Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/11/2017	Source: EPA
Date Data Arrived at EDR: 07/28/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/20/2017
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/29/2018
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2017	Source: EPA
Date Data Arrived at EDR: 09/26/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (212) 637-3660
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (212) 637-3660
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (212) 637-3660
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/26/2017	Telephone: (212) 637-3660
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017	Source: Department of the Navy
Date Data Arrived at EDR: 06/13/2017	Telephone: 843-820-7326
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 08/10/2017
Number of Days to Update: 94	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/10/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2017	Telephone: 703-603-0695
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 08/30/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/10/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2017	Telephone: 703-603-0695
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 08/30/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

### **ERNS: Emergency Response Notification System**

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/18/2017  
Date Data Arrived at EDR: 09/21/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 22

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 09/21/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

### **SHWS: Inactive Hazardous Waste Disposal Sites in New York State**

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 08/15/2017  
Date Data Arrived at EDR: 08/17/2017  
Date Made Active in Reports: 10/24/2017  
Number of Days to Update: 68

Source: Department of Environmental Conservation  
Telephone: 518-402-9622  
Last EDR Contact: 08/17/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Annually

### **VAPOR REOPENED: Vapor Intrusion Legacy Site List**

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 05/01/2017  
Date Data Arrived at EDR: 05/18/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 127

Source: Department of Environmental Conservation  
Telephone: 518-402-9814  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Varies

## ***State and tribal landfill and/or solid waste disposal site lists***

### **SWF/LF: Facility Register**

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/30/2017  
Date Data Arrived at EDR: 07/06/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 78

Source: Department of Environmental Conservation  
Telephone: 518-457-2051  
Last EDR Contact: 09/21/2017  
Next Scheduled EDR Contact: 01/15/2018  
Data Release Frequency: Semi-Annually

## ***State and tribal leaking storage tank lists***

### **INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017  
Date Data Arrived at EDR: 07/27/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 10/27/2017  
Next Scheduled EDR Contact: 02/05/2018  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6271
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017	Source: EPA Region 6
Date Data Arrived at EDR: 07/27/2017	Telephone: 214-665-6597
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Semi-Annually

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017	Source: EPA Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017	Source: EPA, Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-7439
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 08/15/2017	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 08/17/2017	Telephone: 518-402-9549
Date Made Active in Reports: 10/24/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

## HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/08/2005	Telephone: 518-402-9549
Date Made Active in Reports: 07/14/2005	Last EDR Contact: 07/07/2005
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **State and tribal registered storage tank lists**

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017	Source: FEMA
Date Data Arrived at EDR: 05/30/2017	Telephone: 202-646-5797
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/13/2017
Number of Days to Update: 136	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Varies

### UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 09/21/2017	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 09/21/2017	Telephone: 518-402-9549
Date Made Active in Reports: 09/22/2017	Last EDR Contact: 09/21/2017
Number of Days to Update: 1	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: No Update Planned

### CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002	Source: NYSDEC
Date Data Arrived at EDR: 02/20/2002	Telephone: 518-402-9549
Date Made Active in Reports: 03/22/2002	Last EDR Contact: 10/24/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/23/2006
	Data Release Frequency: No Update Planned

### MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002	Source: NYSDEC
Date Data Arrived at EDR: 02/20/2002	Telephone: 518-402-9549
Date Made Active in Reports: 03/22/2002	Last EDR Contact: 07/25/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/24/2005
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 09/21/2017  
Date Data Arrived at EDR: 09/21/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 1

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 09/21/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Quarterly

## MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 09/21/2017  
Date Data Arrived at EDR: 09/21/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 1

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 09/21/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Quarterly

## AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 09/21/2017  
Date Data Arrived at EDR: 09/21/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 1

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 09/21/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: No Update Planned

## CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2005  
Next Scheduled EDR Contact: 10/24/2005  
Data Release Frequency: No Update Planned

## MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2005  
Next Scheduled EDR Contact: 10/24/2005  
Data Release Frequency: No Update Planned

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016  
Date Data Arrived at EDR: 01/27/2017  
Date Made Active in Reports: 05/05/2017  
Number of Days to Update: 98

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 10/27/2017  
Next Scheduled EDR Contact: 02/05/2018  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017	Source: EPA Region 9
Date Data Arrived at EDR: 07/27/2017	Telephone: 415-972-3368
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017	Source: EPA Region 8
Date Data Arrived at EDR: 07/27/2017	Telephone: 303-312-6137
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017	Source: EPA Region 7
Date Data Arrived at EDR: 07/27/2017	Telephone: 913-551-7003
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017	Source: EPA Region 10
Date Data Arrived at EDR: 07/27/2017	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017	Source: EPA, Region 1
Date Data Arrived at EDR: 07/27/2017	Telephone: 617-918-1313
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017	Source: EPA Region 5
Date Data Arrived at EDR: 07/27/2017	Telephone: 312-886-6136
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 71	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-7591
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Semi-Annually

## TANKS: Storage Tank Facility Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 09/21/2017	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 09/21/2017	Telephone: 518-402-9543
Date Made Active in Reports: 09/22/2017	Last EDR Contact: 09/21/2017
Number of Days to Update: 1	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

## ***State and tribal institutional control / engineering control registries***

### ENV RES DECL: Environmental Restrictive Declarations

The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 06/27/2017	Source: New York City Department of City Planning
Date Data Arrived at EDR: 09/21/2017	Telephone: 212-720-3300
Date Made Active in Reports: 09/22/2017	Last EDR Contact: 09/19/2017
Number of Days to Update: 1	Next Scheduled EDR Contact: 01/01/2018
	Data Release Frequency: Varies

### RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010	Source: NYC Department of City Planning
Date Data Arrived at EDR: 06/30/2014	Telephone: 212-720-3401
Date Made Active in Reports: 07/21/2014	Last EDR Contact: 09/22/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/01/2018
	Data Release Frequency: Varies

### ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 08/15/2017	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 08/17/2017	Telephone: 518-402-9553
Date Made Active in Reports: 10/24/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 68	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Quarterly

### INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/15/2017  
Date Data Arrived at EDR: 08/17/2017  
Date Made Active in Reports: 10/24/2017  
Number of Days to Update: 68

Source: Department of Environmental Conservation  
Telephone: 518-402-9553  
Last EDR Contact: 08/17/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Quarterly

## **State and tribal voluntary cleanup sites**

VCP NYC: Voluntary Cleanup Program Listing NYC  
New York City voluntary cleanup program sites.

Date of Government Version: 12/19/2016  
Date Data Arrived at EDR: 12/20/2016  
Date Made Active in Reports: 05/12/2017  
Number of Days to Update: 143

Source: New York City Office of Environmental Protection  
Telephone: 212-788-8841  
Last EDR Contact: 09/18/2017  
Next Scheduled EDR Contact: 01/01/2018  
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 08/15/2017  
Date Data Arrived at EDR: 08/17/2017  
Date Made Active in Reports: 10/24/2017  
Number of Days to Update: 68

Source: Department of Environmental Conservation  
Telephone: 518-402-9711  
Last EDR Contact: 08/17/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015  
Date Data Arrived at EDR: 09/29/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 142

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Varies

## **State and tribal Brownfields sites**

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 08/15/2017  
Date Data Arrived at EDR: 08/17/2017  
Date Made Active in Reports: 10/24/2017  
Number of Days to Update: 68

Source: Department of Environmental Conservation  
Telephone: 518-402-9764  
Last EDR Contact: 08/17/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a \$200 million Environmental Restoration or Brownfields Fund as part of the \$1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 08/15/2017  
Date Data Arrived at EDR: 08/17/2017  
Date Made Active in Reports: 10/24/2017  
Number of Days to Update: 68

Source: Department of Environmental Conservation  
Telephone: 518-402-9622  
Last EDR Contact: 08/17/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/19/2017  
Date Data Arrived at EDR: 06/20/2017  
Date Made Active in Reports: 09/15/2017  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 09/20/2017  
Next Scheduled EDR Contact: 01/01/2018  
Data Release Frequency: Semi-Annually

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

#### SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 06/14/2017  
Date Data Arrived at EDR: 06/16/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 98

Source: Department of Environmental Conservation  
Telephone: 518-402-8694  
Last EDR Contact: 09/15/2017  
Next Scheduled EDR Contact: 12/25/2017  
Data Release Frequency: Annually

#### SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 06/30/2017  
Date Data Arrived at EDR: 07/06/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 78

Source: Department of Environmental Conservation  
Telephone: 518-402-8705  
Last EDR Contact: 09/21/2017  
Next Scheduled EDR Contact: 01/15/2018  
Data Release Frequency: Semi-Annually

#### INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 08/01/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 10/20/2017  
Next Scheduled EDR Contact: 02/05/2018  
Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 08/29/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 07/13/2017  
Date Data Arrived at EDR: 09/06/2017  
Date Made Active in Reports: 10/06/2017  
Number of Days to Update: 30

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/30/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: No Update Planned

### DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 08/15/2017  
Date Data Arrived at EDR: 08/17/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 36

Source: Department of Environmental Conservation  
Telephone: 518-402-9622  
Last EDR Contact: 08/17/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Annually

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/13/2017  
Date Data Arrived at EDR: 09/06/2017  
Date Made Active in Reports: 10/06/2017  
Number of Days to Update: 30

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/30/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Local Lists of Registered Storage Tanks**

### HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/02/2006	Telephone: 518-402-9549
Date Made Active in Reports: 07/20/2006	Last EDR Contact: 10/23/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/22/2007
	Data Release Frequency: Varies

### HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/02/2006	Telephone: 518-402-9549
Date Made Active in Reports: 07/20/2006	Last EDR Contact: 10/23/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/22/2007
	Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 08/07/2017	Source: Office of the State Comptroller
Date Data Arrived at EDR: 08/08/2017	Telephone: 518-474-9034
Date Made Active in Reports: 09/22/2017	Last EDR Contact: 08/07/2017
Number of Days to Update: 45	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/11/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2017	Telephone: 202-564-6023
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/27/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Semi-Annually

## **Records of Emergency Release Reports**

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/21/2017	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/21/2017	Telephone: 202-366-4555
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 09/21/2017
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

### SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/15/2017  
Date Data Arrived at EDR: 08/17/2017  
Date Made Active in Reports: 10/24/2017  
Number of Days to Update: 68

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 08/17/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Varies

## HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 07/08/2005  
Date Made Active in Reports: 07/14/2005  
Number of Days to Update: 6

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 07/07/2005  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 02/12/2013  
Number of Days to Update: 40

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 03/07/2013  
Number of Days to Update: 63

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2017  
Date Data Arrived at EDR: 09/26/2017  
Date Made Active in Reports: 10/06/2017  
Number of Days to Update: 10

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/31/2015  
Date Data Arrived at EDR: 07/08/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 08/25/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Varies

## DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 10/13/2017  
Next Scheduled EDR Contact: 01/22/2018  
Data Release Frequency: Semi-Annually

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 10/11/2017  
Next Scheduled EDR Contact: 01/22/2018  
Data Release Frequency: N/A

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 05/10/2017  
Date Data Arrived at EDR: 05/17/2017  
Date Made Active in Reports: 09/15/2017  
Number of Days to Update: 121

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 08/07/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 08/24/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 01/15/2015  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 14

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 09/22/2017  
Next Scheduled EDR Contact: 01/01/2018  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 04/05/2016  
Number of Days to Update: 133

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 08/23/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 10/27/2017  
Next Scheduled EDR Contact: 02/05/2018  
Data Release Frequency: Annually

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/27/2017  
Date Data Arrived at EDR: 10/12/2017  
Date Made Active in Reports: 10/20/2017  
Number of Days to Update: 8

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 09/08/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/09/2017	Telephone: 202-564-8600
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 10/23/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/08/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/13/2017
Number of Days to Update: 126	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/11/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Quarterly

### FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Quarterly

### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016  
Date Data Arrived at EDR: 09/08/2016  
Date Made Active in Reports: 10/21/2016  
Number of Days to Update: 43

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 10/16/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Quarterly

### COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 08/07/2009  
Date Made Active in Reports: 10/22/2009  
Number of Days to Update: 76

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 10/03/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Varies

### COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014  
Date Data Arrived at EDR: 09/10/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 09/08/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Varies

### PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011  
Date Data Arrived at EDR: 10/19/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 83

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 10/26/2017  
Next Scheduled EDR Contact: 02/05/2018  
Data Release Frequency: Varies

### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/02/2017  
Date Data Arrived at EDR: 10/05/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 8

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 10/05/2017  
Next Scheduled EDR Contact: 01/15/2018  
Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 08/01/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2017  
Date Data Arrived at EDR: 08/03/2017  
Date Made Active in Reports: 10/20/2017  
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 09/28/2017  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 09/21/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Biennially

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 10/11/2017
Number of Days to Update: 546	Next Scheduled EDR Contact: 01/22/2018
	Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016	Source: Department of Energy
Date Data Arrived at EDR: 12/27/2016	Telephone: 202-586-3559
Date Made Active in Reports: 02/17/2017	Last EDR Contact: 08/03/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 10/10/2017
Number of Days to Update: 146	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/09/2017	Telephone: 703-603-8787
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 10/05/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 07/31/2017  
Date Data Arrived at EDR: 08/30/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 08/30/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 09/01/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 09/01/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/25/2017  
Date Data Arrived at EDR: 09/26/2017  
Date Made Active in Reports: 10/20/2017  
Number of Days to Update: 24

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 12/25/2017  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/23/2017	Source: EPA
Date Data Arrived at EDR: 09/06/2017	Telephone: (212) 637-3000
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Quarterly

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/06/2017	Telephone: 202-564-2280
Date Made Active in Reports: 10/20/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Quarterly

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/21/2017
Number of Days to Update: 91	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2016	Source: Department of Defense
Date Data Arrived at EDR: 06/02/2017	Telephone: 703-704-1564
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/16/2017
Number of Days to Update: 133	Next Scheduled EDR Contact: 01/29/2018
	Data Release Frequency: Varies

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2017	Source: EPA
Date Data Arrived at EDR: 08/17/2017	Telephone: 800-385-6164
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

## AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 11/09/2016	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/18/2016	Telephone: 518-402-8452
Date Made Active in Reports: 01/04/2017	Last EDR Contact: 10/23/2017
Number of Days to Update: 47	Next Scheduled EDR Contact: 02/05/2018
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 09/25/2017

Date Data Arrived at EDR: 09/26/2017

Date Made Active in Reports: 10/12/2017

Number of Days to Update: 16

Source: Department of Environmental Conservation

Telephone: 518-402-8660

Last EDR Contact: 09/21/2017

Next Scheduled EDR Contact: 01/15/2018

Data Release Frequency: Quarterly

## DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 10/27/2016

Date Data Arrived at EDR: 01/10/2017

Date Made Active in Reports: 02/10/2017

Number of Days to Update: 31

Source: Department of Environmental Conservation

Telephone: 518-402-8403

Last EDR Contact: 09/08/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Varies

## E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 08/22/2017

Date Data Arrived at EDR: 09/21/2017

Date Made Active in Reports: 09/22/2017

Number of Days to Update: 1

Source: New York City Department of City Planning

Telephone: 718-595-6658

Last EDR Contact: 09/18/2017

Next Scheduled EDR Contact: 01/01/2018

Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 09/07/2017

Date Data Arrived at EDR: 10/02/2017

Date Made Active in Reports: 10/12/2017

Number of Days to Update: 10

Source: Department of Environmental Conservation

Telephone: 518-402-8660

Last EDR Contact: 09/21/2017

Next Scheduled EDR Contact: 01/15/2018

Data Release Frequency: Quarterly

## Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 03/09/2017

Date Data Arrived at EDR: 04/12/2017

Date Made Active in Reports: 10/13/2017

Number of Days to Update: 184

Source: Department of Environmental Conservation

Telephone: 518-402-8712

Last EDR Contact: 09/08/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Varies

## HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2003  
Date Data Arrived at EDR: 10/20/2006  
Date Made Active in Reports: 11/30/2006  
Number of Days to Update: 41

Source: Department of Environmental Conservation  
Telephone: 518-402-9564  
Last EDR Contact: 05/26/2009  
Next Scheduled EDR Contact: 08/24/2009  
Data Release Frequency: No Update Planned

## NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/31/2017  
Date Data Arrived at EDR: 08/03/2017  
Date Made Active in Reports: 10/12/2017  
Number of Days to Update: 70

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/03/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Quarterly

## SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 07/24/2017  
Date Data Arrived at EDR: 08/08/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 66

Source: Department of Environmental Conservation  
Telephone: 518-402-8233  
Last EDR Contact: 10/23/2017  
Next Scheduled EDR Contact: 02/05/2018  
Data Release Frequency: No Update Planned

## UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 09/05/2017  
Date Data Arrived at EDR: 09/08/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 35

Source: Department of Environmental Conservation  
Telephone: 518-402-8056  
Last EDR Contact: 09/08/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Quarterly

## EDR HIGH RISK HISTORICAL RECORDS

### ***EDR Exclusive Records***

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historic Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR Hist Cleaner: EDR Exclusive Historic Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: Department of Environmental Conservation  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/10/2014  
Number of Days to Update: 193

Source: Department of Environmental Conservation  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### CORTLAND COUNTY:

#### Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 06/26/2017  
Date Data Arrived at EDR: 08/18/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 35

Source: Cortland County Health Department  
Telephone: 607-753-5035  
Last EDR Contact: 07/31/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 06/26/2017	Source: Cortland County Health Department
Date Data Arrived at EDR: 08/18/2017	Telephone: 607-753-5035
Date Made Active in Reports: 09/22/2017	Last EDR Contact: 07/31/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/13/2017
	Data Release Frequency: Quarterly

## NASSAU COUNTY:

### Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017	Source: Nassau County Health Department
Date Data Arrived at EDR: 01/11/2017	Telephone: 516-571-3314
Date Made Active in Reports: 02/15/2017	Last EDR Contact: 10/26/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/12/2018
	Data Release Frequency: No Update Planned

### Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011	Source: Nassau County Office of the Fire Marshal
Date Data Arrived at EDR: 02/23/2011	Telephone: 516-572-1000
Date Made Active in Reports: 03/29/2011	Last EDR Contact: 10/26/2017
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/12/2018
	Data Release Frequency: Varies

### Registered Tank Database in Nassau County

A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017	Source: Nassau County Department of Health
Date Data Arrived at EDR: 01/11/2017	Telephone: 516-227-9691
Date Made Active in Reports: 02/15/2017	Last EDR Contact: 10/26/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/12/2018
	Data Release Frequency: Varies

### Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017	Source: Nassau County Health Department
Date Data Arrived at EDR: 01/11/2017	Telephone: 516-571-3314
Date Made Active in Reports: 02/15/2017	Last EDR Contact: 10/26/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/12/2018
	Data Release Frequency: No Update Planned

### Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011	Source: Nassau County Office of the Fire Marshal
Date Data Arrived at EDR: 02/23/2011	Telephone: 516-572-1000
Date Made Active in Reports: 03/29/2011	Last EDR Contact: 10/26/2017
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/12/2018
	Data Release Frequency: Varies

## ROCKLAND COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 02/02/2017  
Date Data Arrived at EDR: 03/17/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 189

Source: Rockland County Health Department  
Telephone: 914-364-2605  
Last EDR Contact: 08/31/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Quarterly

## Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 02/02/2017  
Date Data Arrived at EDR: 03/17/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 189

Source: Rockland County Health Department  
Telephone: 914-364-2605  
Last EDR Contact: 08/31/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Quarterly

## SUFFOLK COUNTY:

### Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/23/2015  
Number of Days to Update: 13

Source: Suffolk County Department of Health Services  
Telephone: 631-854-2521  
Last EDR Contact: 09/08/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: No Update Planned

### Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/23/2015  
Number of Days to Update: 13

Source: Suffolk County Department of Health Services  
Telephone: 631-854-2521  
Last EDR Contact: 09/08/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: No Update Planned

## WESTCHESTER COUNTY:

### Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 07/03/2017  
Date Data Arrived at EDR: 08/15/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 38

Source: Westchester County Department of Health  
Telephone: 914-813-5161  
Last EDR Contact: 10/26/2017  
Next Scheduled EDR Contact: 02/12/2018  
Data Release Frequency: Varies

### Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 07/03/2017  
Date Data Arrived at EDR: 08/15/2017  
Date Made Active in Reports: 09/22/2017  
Number of Days to Update: 38

Source: Westchester County Department of Health  
Telephone: 914-813-5161  
Last EDR Contact: 10/26/2017  
Next Scheduled EDR Contact: 02/12/2018  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 04/11/2017  
Date Made Active in Reports: 07/27/2017  
Number of Days to Update: 107

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/05/2017  
Next Scheduled EDR Contact: 01/22/2018  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 07/25/2017  
Date Made Active in Reports: 09/25/2017  
Number of Days to Update: 62

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/16/2017  
Next Scheduled EDR Contact: 01/29/2018  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 06/19/2015  
Date Made Active in Reports: 07/15/2015  
Number of Days to Update: 26

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/21/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Annually

### VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 05/12/2017  
Date Data Arrived at EDR: 05/23/2017  
Date Made Active in Reports: 08/16/2017  
Number of Days to Update: 85

Source: Department of Environmental Conservation  
Telephone: 802-241-3443  
Last EDR Contact: 10/16/2017  
Next Scheduled EDR Contact: 01/29/2018  
Data Release Frequency: Annually

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 04/13/2017  
Date Made Active in Reports: 07/14/2017  
Number of Days to Update: 92

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 09/11/2017  
Next Scheduled EDR Contact: 12/25/2017  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Oil/Gas Pipelines

Source: PennWell Corporation  
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

### Electric Power Transmission Line Data

Source: PennWell Corporation  
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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Day Care Providers

Source: Department of Health  
Telephone: 212-676-2444

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA  
Telephone: 877-336-2627  
Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation  
Telephone: 518-402-8961

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map  
Source: U.S. Geological Survey

## STREET AND ADDRESS INFORMATION

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

811-817 LEXINGTON AVENUE  
811 LEXINGTON AVENUE  
BROOKLYN, NY 11221

### **TARGET PROPERTY COORDINATES**

Latitude (North):	40.69049 - 40° 41' 25.76"
Longitude (West):	73.928275 - 73° 55' 41.79"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	590557.2
UTM Y (Meters):	4504740.5
Elevation:	52 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5940597 BROOKLYN, NY
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

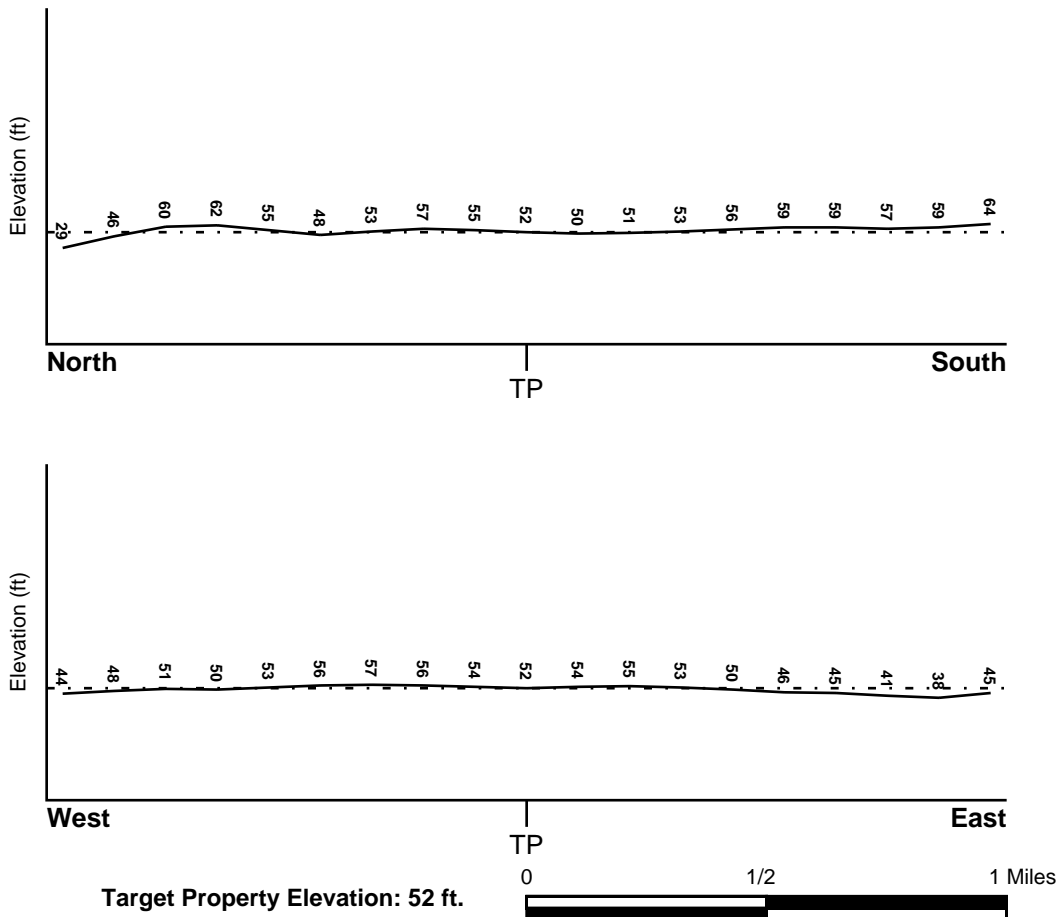
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
3604970208F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
3604970204F	FEMA FIRM Flood data
3604970065B	FEMA Q3 Flood data
3604970064B	FEMA Q3 Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
BROOKLYN	YES - refer to the Overview Map and Detail Map

## **HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius:	1.25 miles
Status:	Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### **ROCK STRATIGRAPHIC UNIT**

Era: Mesozoic  
System: Cretaceous  
Series: Upper Cretaceous  
Code: uK (decoded above as Era, System & Series)

### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

## OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam  
loamy sand  
sandy loam  
fine sandy loam

Surficial Soil Types: silt loam  
loamy sand  
sandy loam  
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock  
very gravelly - loamy sand  
stratified  
sandy loam

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000828659	0 - 1/8 Mile ESE
2	USGS40000828781	1/4 - 1/2 Mile NW
3	USGS40000828808	1/4 - 1/2 Mile NW
4	USGS40000828574	1/2 - 1 Mile ESE
6	USGS40000828836	1/2 - 1 Mile NW
A7	USGS40000828893	1/2 - 1 Mile NNE
A8	USGS40000828894	1/2 - 1 Mile NNE
B9	USGS40000828957	1/2 - 1 Mile NNW
10	USGS40000828626	1/2 - 1 Mile West
B11	USGS40000829000	1/2 - 1 Mile NNW
C12	USGS40000829001	1/2 - 1 Mile NNW
D13	USGS40000829002	1/2 - 1 Mile NNW
D14	USGS40000829003	1/2 - 1 Mile NNW
C15	USGS40000829031	1/2 - 1 Mile NNW
C16	USGS40000829032	1/2 - 1 Mile NNW
17	USGS40000829063	1/2 - 1 Mile NNW
18	USGS40000829052	1/2 - 1 Mile NNW
19	USGS40000828715	1/2 - 1 Mile West
E20	USGS40000829082	1/2 - 1 Mile North
F21	USGS40000828320	1/2 - 1 Mile South
F22	USGS40000828321	1/2 - 1 Mile South
E23	USGS40000829101	1/2 - 1 Mile North
G24	USGS40000828291	1/2 - 1 Mile SSW
G25	USGS40000828292	1/2 - 1 Mile SSW
26	USGS40000829116	1/2 - 1 Mile North

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

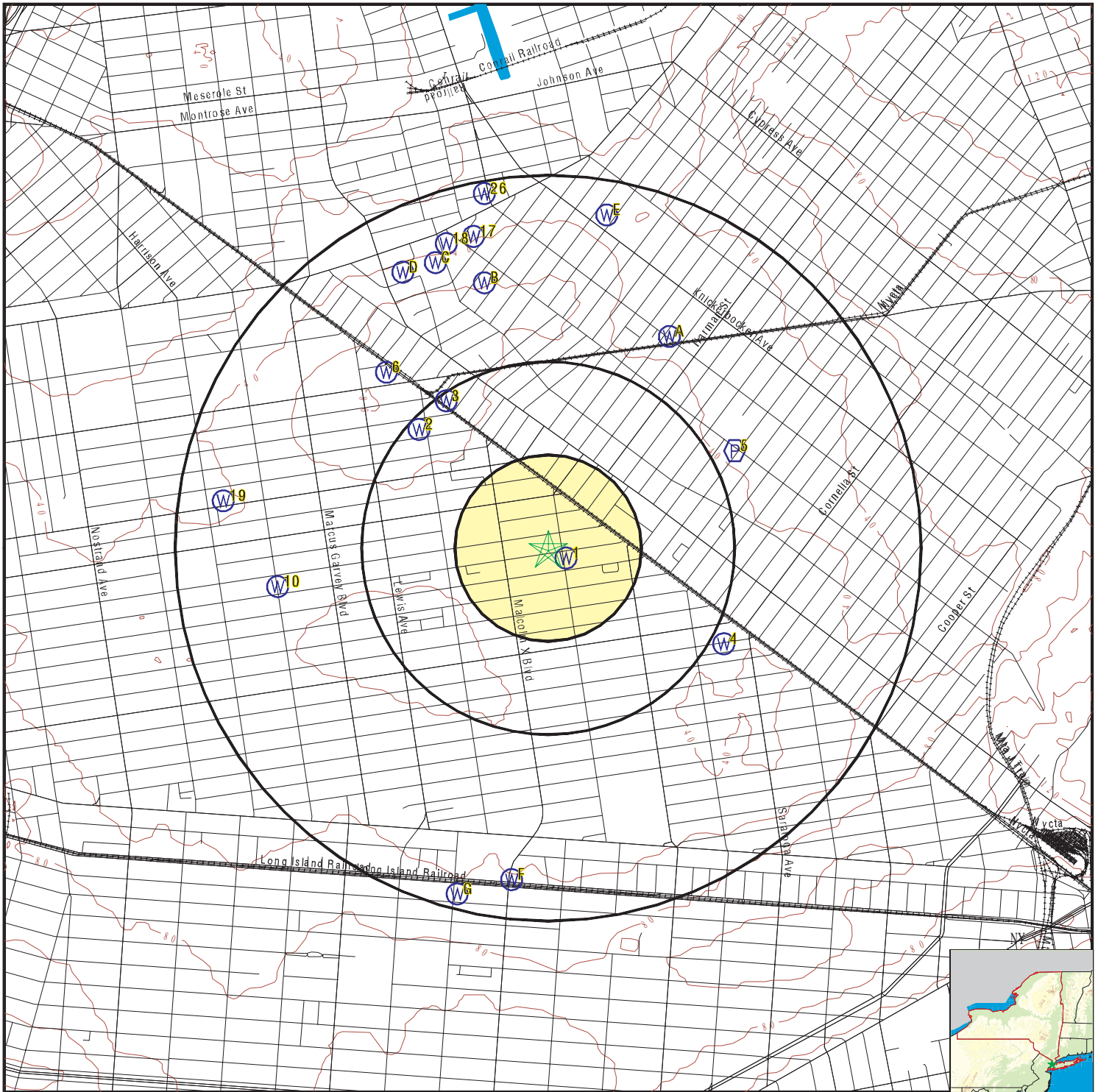
MAP ID	WELL ID	LOCATION FROM TP
5	NY0015078	1/2 - 1 Mile ENE

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

# PHYSICAL SETTING SOURCE MAP - 5090931.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 811-817 Lexington Avenue  
 ADDRESS: 811 Lexington Avenue  
 Brooklyn NY 11221  
 LAT/LONG: 40.69049 / 73.928275

CLIENT: The ALC Group, LLC T/A ALC  
 CONTACT: Tania Castro  
 INQUIRY #: 5090931.2s  
 DATE: October 30, 2017 1:04 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**ESE**  
**0 - 1/8 Mile**  
**Higher**  
**FED USGS      USGS40000828659**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404124073554001		
Monloc name:	K 1236. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.690103
Longitude:	-73.9273595	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	51.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	82
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 442

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1976-06-28		12.98	1976-03-23		12.60
1975-12-17		12.30	1975-10-07		12.04
1975-06-30		11.75	1975-03-26		11.75
1974-12-19		11.73	1974-09-04		11.59
1974-06-28		11.49	1974-03-20		11.41
1974-01-08		11.35	1973-09-24		11.41
1973-07-02		11.39	1973-04-03		11.35
1972-12-27		10.22	1972-09-29		11.39
1972-07-10		11.85	1972-03-28		12.60
1972-01-13		11.42	1971-09-23		9.27
1971-03-08		7.52	1970-11-02		8.91
1970-03-13		9.37	1969-11-12		6.96
1969-09-05		6.54	1969-08-04		6.40
1969-07-02		6.30	1969-05-28		6.09
1969-04-22		6.02	1969-04-01		5.96
1969-01-08		5.88	1968-12-03		5.88
1968-11-06		5.98	1968-09-30		5.89
1968-08-28		5.90	1968-07-29		5.80
1968-06-26		5.65	1968-05-28		5.48
1968-04-23		5.42	1968-03-29		5.30
1968-02-29		5.15	1968-02-05		5.13
1968-01-02		5.02	1967-11-29		4.95
1967-10-23		4.78	1967-09-26		4.71
1967-09-07		4.61	1967-07-28		4.49

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1967-07-06		4.39	1967-05-31		4.24
1967-05-04		4.14	1967-03-29		3.90
1967-02-24		4.02	1967-01-31		4.02
1966-12-23		4.12	1966-12-01		4.11
1966-10-24		4.25	1966-09-30		4.38
1966-08-29		4.42	1966-07-29		4.36
1966-06-27		4.47	1966-05-26		4.44
1966-05-03		4.52	1966-03-30		4.27
1966-03-12		4.28	1966-01-28		4.36
1965-12-30		4.41	1965-12-02		4.43
1965-10-28		4.57	1965-10-07		4.64
1965-09-02		4.64	1965-07-23		4.75
1965-06-24		4.65	1965-05-24		4.74
1965-05-03		4.72	1965-03-25		4.78
1965-02-24		4.95	1965-01-29		4.86
1964-12-31		4.91	1964-11-25		4.94
1964-10-30		5.00	1964-10-01		5.13
1964-09-02		5.18	1964-07-27		5.20
1964-07-06		5.20	1964-05-28		5.15
1964-04-27		5.02	1964-03-30		5.00
1964-02-28		4.93	1964-01-28		5.11
1963-12-31		4.96	1963-12-05		5.02
1963-10-26		5.14	1963-09-30		5.29
1963-09-03		5.49	1963-07-30		5.34
1963-07-02		5.28	1963-06-03		5.27
1963-04-29		5.24	1963-03-29		5.54
1963-02-28		5.59	1963-01-03		5.67
1962-12-04		5.55	1962-11-06		5.41
1962-10-03		5.55	1962-08-31		5.47
1962-07-30		5.32	1962-07-02		5.19
1962-05-29		5.37	1962-05-01		5.26
1962-03-27		5.20	1962-03-05		5.45
1962-01-31		5.64	1961-12-27		5.68
1961-11-28		4.81	1961-10-31		4.73
1961-10-20		4.73	1961-08-30		4.74
1961-08-01		4.43	1961-06-27		6.23
1961-05-31		4.41	1961-04-26		4.17
1961-03-28		3.83	1961-03-01		3.84
1961-01-30		4.13	1960-12-27		4.26
1960-12-07		4.14	1960-11-02		3.44
1960-09-28		3.36	1960-08-30		3.14
1960-07-19		3.16	1960-06-30		2.98
1960-06-02		2.71	1960-05-04		2.92
1960-03-29		3.03	1960-01-27		3.22
1960-01-05		3.22	1959-12-01		3.55
1959-11-02		3.49	1959-10-06		3.63
1959-09-03		4.04	1959-08-04		4.20
1959-07-07		3.17	1959-06-02		3.10
1959-05-06		3.11	1959-04-03		3.08
1959-03-02		3.05	1959-01-29		2.93
1959-01-07		2.90	1958-12-09		2.76
1958-10-30		2.72	1958-10-07		2.46
1958-08-28		2.38	1958-07-29		2.34
1958-06-30		2.45	1958-05-29		2.41
1958-05-01		1.82	1958-04-02		2.13

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1958-03-03		2.14	1958-01-28		2.11
1957-12-31		2.02	1957-11-22		2.04
1957-10-30		2.07	1957-09-24		1.97
1957-08-27		2.02	1957-07-24		2.22
1957-06-27		2.37	1957-05-28		2.62
1957-04-24		2.48	1957-03-27		2.47
1957-02-27		2.39	1957-01-25		2.66
1956-12-18		2.36	1956-11-29		2.30
1956-10-25		2.08	1956-10-02		2.00
1956-08-02		1.92	1956-07-11		2.10
1956-06-05		2.12	1956-05-15		1.87
1956-03-06		1.87	1956-02-07		1.70
1955-12-22		1.56	1955-11-07		1.03
1955-10-05		0.95	1955-08-25		0.77
1955-07-26		0.72	1955-06-23		0.90
1955-05-24		0.95	1955-04-26		0.66
1955-03-24		0.68	1955-02-25		0.96
1955-01-25		0.74	1954-12-27		0.37
1954-12-02		0.28	1954-10-28		-0.10
1954-10-05		-0.08	1954-08-25		0.04
1954-07-29		0.04	1954-07-01		0.34
1954-05-27		0.58	1954-04-28		0.13
1954-03-27		0.01	1954-02-25		0.45
1953-12-26		-0.54	1953-12-22		-0.62
1953-12-02		-0.58	1953-10-28		-1.22
1953-10-01		-1.25	1953-08-28		-1.52
1953-08-03		-1.52	1953-06-24		-1.50
1953-05-25		-1.57	1953-04-27		-2.06
1953-03-25		-2.82	1953-02-26		-3.22
1953-02-05		-3.07	1952-12-24		-3.54
1952-12-05		-4.01	1952-11-03		-4.82
1952-09-22		-5.24	1952-08-25		-5.47
1952-07-23		-5.91	1952-06-24		-6.27
1952-05-27		-6.62	1952-04-29		-7.12
1952-03-24		-7.37	1952-02-20		-7.40
1952-01-29		-8.02	1951-12-20		-7.75
1951-11-28		-7.69	1951-11-01		-8.13
1951-09-26		-8.31	1951-09-11		-8.37
1951-08-28		-8.33	1951-07-26		-8.46
1951-06-28		-8.44	1951-05-29		-8.29
1951-05-01		-8.05	1951-03-27		-8.14
1951-02-26		-8.84	1951-01-30		-8.59
1950-12-20		-8.56	1950-11-28		-9.38
1950-10-31		-9.56	1950-09-27		-9.50
1950-08-29		-9.42	1950-07-27		-9.37
1950-06-29		-9.40	1950-06-05		-9.21
1950-04-27		-8.80	1950-03-29		-9.28
1950-03-01		-9.66	1950-01-26		-9.71
1949-12-28		-9.89	1949-11-28		-10.11
1949-10-31		-10.69	1949-09-28		-10.90
1949-08-31		-11.21	1949-07-28		-11.41
1949-06-30		-11.44	1949-06-01		-11.99
1949-04-28		-12.09	1949-04-04		-12.57
1949-02-23		-13.19	1949-01-26		-13.57
1948-12-28		-13.72	1948-12-09		-14.04

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1948-11-04		-14.42	1948-10-04		-14.31
1948-08-30		-14.95	1948-07-26		-15.19
1948-06-30		-15.47	1948-06-02		-15.74
1948-04-27		-16.00	1948-03-26		-15.99
1948-03-03		-16.33	1948-02-03		-16.47
1948-01-07		-17.10	1947-12-16		-17.14
1947-11-26		-17.69	1947-11-20		-17.09
1947-10-31		-17.83	1947-10-14		-18.02
1947-10-07		-18.02	1947-09-30		-17.57
1947-09-15		-18.13	1947-08-27		-18.07
1947-08-13		-18.21	1947-07-30		-18.23
1947-07-23		-18.18	1947-07-16		-18.24
1947-07-07		-18.20	1947-07-02		-18.11
1947-06-30		-18.25	1947-06-24		-18.21
1947-05-29		-18.23	1947-05-07		-18.29
1947-04-04		-18.19	1947-03-05		-18.06
1947-01-27		-18.21	1946-12-27		-18.10
1946-11-26		-18.06	1946-10-22		-17.97
1946-09-26		-17.95	1946-08-30		-17.86
1946-07-26		-17.79	1946-07-01		-17.84
1946-06-18		-17.84	1946-05-10		-17.81
1946-04-12		-17.74	1946-03-15		-17.69
1946-02-14		-17.52	1946-01-08		-17.58
1945-12-04		-17.72	1945-11-06		-18.07
1945-09-28		-18.26	1945-09-12		-18.15
1945-08-08		-18.09	1945-07-03		-17.92
1945-06-04		-17.52	1945-04-27		-17.75
1945-04-04		-17.64	1945-03-03		-17.65
1945-01-02		-17.92	1944-12-06		-18.11
1944-10-27		-18.45	1944-10-04		-18.68
1944-09-02		-18.69	1944-07-31		-18.14
1944-07-05		-18.49	1944-05-27		-17.93
1944-05-05		-18.32	1944-04-01		-18.49
1944-02-26		-18.96	1944-01-29		-19.12
1944-01-01		-18.89	1943-11-27		-19.11
1943-10-30		-18.97	1943-09-25		-18.58
1943-08-28		-18.54	1943-07-31		-18.16
1943-06-26		-18.15	1943-05-29		-17.84
1943-05-01		-17.99	1943-03-27		-18.25
1943-02-27		-18.29	1943-01-30		-18.47
1943-01-02		-18.56	1942-12-26		-18.41
1942-12-12		-18.65	1942-12-05		-18.66
1942-11-28		-18.68	1942-11-21		-18.72
1942-11-14		-18.76	1942-11-07		-18.77
1942-10-31		-18.83	1942-10-24		-18.89
1942-10-17		-19.00	1942-10-10		-19.05
1942-10-03		-19.10	1942-09-26		-19.07
1942-09-19		-18.96	1942-09-12		-19.01
1942-09-05		-18.98	1942-08-31		-18.95
1942-08-22		-18.89	1942-08-15		-18.73
1942-08-08		-18.82	1942-08-01		-18.55
1942-07-25		-18.73	1942-07-18		-18.69
1942-07-11		-18.71	1942-07-04		-18.35
1942-06-27		-18.41	1942-06-20		-18.35
1942-06-13		-18.23	1942-06-06		-18.16



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1942-05-30		-18.11	1942-05-23		-18.10
1942-05-16		-18.12	1942-05-09		-18.12
1942-05-02		-18.13	1942-04-25		-18.16
1942-04-18		-18.18	1942-04-11		-18.35
1942-04-04		-18.23	1942-03-28		-18.26
1942-03-21		-18.26	1942-03-14		-18.26
1942-02-28		-18.34	1942-02-14		-18.38
1942-02-07		-18.44	1942-01-31		-18.50
1942-01-24		-18.48	1942-01-17		-18.52
1942-01-10		-18.54	1942-01-03		-18.39
1941-12-27		-18.62	1941-12-20		-18.66
1941-12-13		-18.80	1941-12-06		-18.76
1941-11-29		-18.81	1941-11-22		-18.85
1941-11-15		-18.65	1941-11-08		-18.76
1941-10-25		-19.17	1941-10-18		-19.06
1941-10-11		-19.18	1941-10-04		-19.42
1941-09-27		-19.24	1941-09-20		-19.12
1941-09-13		-19.02	1941-09-06		-19.19
1941-08-30		-19.06	1941-08-23		-18.92
1941-08-16		-18.81	1941-08-09		-18.79
1941-08-02		-18.75	1941-07-26		-18.44
1941-07-19		-18.48	1941-07-12		-18.51
1941-07-05		-18.41	1941-06-28		-18.27
1941-06-21		-18.17	1941-05-17		-17.69
1941-05-10		-17.56	1941-05-03		-17.41
1941-04-26		-17.42	1941-04-19		-17.46
1941-04-12		-17.43	1941-04-05		-17.47
1941-03-29		-17.54	1941-03-22		-17.56
1941-03-15		-17.60	1941-03-08		-17.64
1941-03-01		-17.67	1941-02-22		-17.71
1941-02-15		-17.75	1941-02-08		-17.80
1941-02-01		-17.82	1941-01-25		-17.88

2

NW  
1/4 - 1/2 Mile  
Higher

FED USGS

USGS40000828781

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404142073560708		
Monloc name:	K 92. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.6951029
Longitude:	-73.9348597	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported  
 Construction date: Not Reported  
 Welldepth units: ft  
 Wellholedepth units: Not Reported

Welldepth: 185  
 Wellholedepth: Not Reported

Ground-water levels, Number of Measurements: 439

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1960-01-11		0.40	1959-10-08		0.51
1959-07-21		0.73	1958-01-10		-0.15
1957-09-24		-0.30	1957-06-27		0.15
1957-03-27		0.53	1956-12-18		0.36
1956-11-29		0.37	1956-10-25		0.05
1956-10-02		0.05	1956-08-02		-0.13
1956-07-11		-0.01	1956-06-05		0.02
1956-05-15		-0.05	1956-03-05		-0.34
1956-02-07		-0.47	1955-12-22		-1.34
1955-11-15		-1.12	1955-10-07		-1.27
1955-08-25		-1.69	1955-07-28		-1.62
1955-06-23		-1.56	1955-05-25		-1.15
1955-04-26		-1.24	1955-03-29		-1.44
1955-02-25		-1.43	1955-01-25		-1.68
1954-12-27		-1.99	1954-06-29		-2.45
1954-04-28		-2.24	1954-03-30		-2.38
1954-02-25		-2.51	1954-01-28		-2.78
1953-12-23		-3.30	1953-12-02		-3.43
1953-10-28		-3.86	1953-10-01		-4.17
1953-08-28		-4.06	1953-08-03		-4.40
1953-06-24		-4.45	1953-05-22		-4.41
1953-04-27		-4.64	1953-03-24		-5.29
1953-02-27		-5.68	1953-02-05		-6.12
1952-12-24		-6.98	1952-12-05		-7.35
1952-11-03		-8.23	1952-09-22		-8.82
1952-08-25		-9.25	1952-07-23		-9.64
1952-06-24		-9.99	1952-05-27		-10.33
1952-04-29		-10.64	1952-03-24		-10.95
1952-02-20		-11.37	1952-01-29		-11.64
1951-12-20		-11.99	1951-11-28		-12.18
1951-11-01		-12.27	1951-09-26		-12.46
1951-08-28		-12.59	1951-07-26		-12.54
1951-06-28		-12.60	1951-05-29		-12.34
1951-05-02		-12.13	1951-03-27		-12.56
1951-02-26		-12.75	1951-01-30		-13.05
1950-12-20		-13.40	1950-11-28		-13.61
1950-10-31		-13.99	1950-09-27		-14.20
1950-08-29		-14.05	1950-07-27		-13.93
1950-06-29		-13.71	1950-06-05		-13.39
1950-04-27		-13.29	1950-03-29		-13.43
1950-03-01		-13.63	1950-01-26		-14.01
1949-12-28		-14.45	1949-11-28		-14.89
1949-10-31		-15.35	1949-09-28		-15.52
1949-08-31		-15.78	1949-07-28		-16.00
1949-06-30		-16.17	1949-06-01		-16.23
1949-04-28		-16.48	1949-04-05		-16.79
1949-02-21		-17.52	1949-01-27		-18.15
1948-12-28		-18.68	1948-12-09		-18.80
1948-11-04		-19.04	1948-10-04		-19.30
1948-08-30		-19.58	1948-07-26		-19.83

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1948-07-01		-19.90	1948-06-02		-19.95
1948-04-27		-20.19	1948-03-26		-20.17
1948-03-02		-20.33	1948-02-03		-20.77
1948-01-07		-21.16	1947-12-16		-21.55
1947-11-26		-21.73	1947-11-20		-21.85
1947-10-31		-22.23	1947-10-14		-22.47
1947-10-07		-22.57	1947-09-30		-22.65
1947-09-15		-22.75	1947-08-27		-22.81
1947-08-13		-22.83	1947-07-30		-22.81
1947-07-23		-22.82	1947-07-16		-22.77
1947-07-07		-22.71	1947-07-02		-22.70
1947-07-01		-22.69	1947-06-30		-22.71
1947-06-24		-22.69	1947-05-27		-22.67
1947-05-07		-22.66	1947-04-04		-22.61
1947-03-05		-22.57	1947-01-27		-22.51
1946-12-27		-22.43	1946-11-26		-22.34
1946-10-22		-22.60	1946-09-26		-22.22
1946-08-30		-21.95	1946-07-26		-22.04
1946-07-01		-21.95	1946-06-18		-21.85
1946-05-10		-21.78	1946-04-12		-21.67
1946-03-18		-21.50	1946-02-15		-21.41
1946-01-08		-21.55	1945-12-04		-21.91
1945-11-06		-22.12	1945-09-28		-22.38
1945-09-12		-22.38	1945-08-08		-22.28
1945-07-03		-22.04	1945-06-04		-21.84
1945-04-27		-21.65	1945-04-04		-21.54
1945-03-03		-21.26	1945-02-06		-21.62
1945-01-02		-22.09	1944-12-06		-22.17
1944-10-27		-22.68	1944-10-04		-22.98
1944-09-02		-22.98	1944-07-31		-22.84
1944-07-05		-22.64	1944-05-27		-22.29
1944-05-05		-22.12	1944-04-01		-21.71
1944-02-26		-22.94	1944-01-29		-22.89
1944-01-01		-22.93	1943-11-27		-22.90
1943-10-30		-22.82	1943-08-28		-21.70
1943-07-31		-21.68	1943-06-26		-21.65
1943-05-29		-21.61	1943-05-01		-21.72
1943-03-27		-21.88	1943-02-27		-22.08
1943-01-30		-22.20	1943-01-02		-22.41
1942-12-26		-22.48	1942-12-19		-22.52
1942-12-12		-22.56	1942-12-05		-22.64
1942-11-28		-22.68	1942-11-21		-22.75
1942-11-14		-22.81	1942-11-07		-22.90
1942-10-31		-22.98	1942-10-24		-23.10
1942-10-17		-23.19	1942-10-10		-23.30
1942-10-03		-23.41	1942-09-26		-23.40
1942-09-19		-23.35	1942-09-12		-23.34
1942-09-05		-23.31	1942-08-29		-23.29
1942-08-22		-23.25	1942-08-15		-23.20
1942-08-08		-23.15	1942-08-01		-23.04
1942-07-25		-22.98	1942-07-18		-22.86
1942-07-11		-22.78	1942-06-27		-22.53
1942-06-20		-22.38	1942-06-13		-22.24
1942-06-06		-22.10	1942-05-30		-22.04
1942-05-23		-22.03	1942-05-16		-22.06

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1942-05-09		-22.08	1942-05-02		-22.10
1942-04-25		-22.12	1942-04-18		-22.15
1942-04-11		-22.18	1942-04-04		-22.23
1942-03-28		-22.25	1942-03-21		-22.25
1942-03-14		-22.30	1942-03-07		-22.36
1942-02-28		-22.39	1942-02-21		-22.41
1942-02-14		-22.45	1942-02-07		-22.49
1942-01-31		-22.54	1942-01-24		-22.61
1942-01-17		-22.67	1942-01-10		-22.71
1942-01-03		-22.81	1941-12-27		-22.85
1941-12-20		-22.93	1941-12-13		-22.99
1941-12-06		-23.08	1941-11-29		-23.17
1941-11-22		-23.27	1941-11-15		-23.36
1941-11-08		-23.48	1941-11-01		-23.59
1941-10-25		-23.72	1941-10-18		-23.85
1941-10-11		-24.00	1941-10-04		-24.08
1941-09-27		-24.04	1941-09-20		-23.97
1941-09-13		-23.90	1941-09-06		-23.80
1941-08-30		-23.72	1941-08-23		-23.62
1941-08-16		-23.52	1941-08-09		-23.41
1941-08-02		-23.29	1941-07-26		-23.15
1941-07-19		-23.02	1941-07-12		-22.86
1941-07-05		-22.73	1941-06-28		-22.54
1941-06-21		-22.35	1941-06-14		-22.17
1941-06-07		-22.03	1941-05-31		-21.89
1941-05-24		-21.76	1941-05-17		-21.61
1941-05-10		-21.45	1941-05-03		-21.29
1941-04-26		-21.31	1941-04-19		-21.34
1941-04-12		-21.38	1941-04-05		-21.41
1941-03-29		-21.45	1941-03-22		-21.50
1941-03-15		-21.56	1941-03-08		-21.61
1941-03-01		-21.68	1941-02-22		-21.73
1941-02-15		-21.80	1941-02-08		-21.88
1941-02-01		-21.93	1941-01-25		-22.01
1941-01-18		-22.07	1941-01-11		-22.15
1941-01-04		-22.22	1940-12-28		-22.32
1940-12-21		-22.41	1940-12-14		-22.53
1940-12-07		-22.63	1940-11-30		-22.76
1940-11-23		-22.89	1940-11-16		-23.01
1940-11-09		-23.17	1940-11-02		-23.33
1940-10-26		-23.49	1940-10-19		-23.66
1940-10-12		-23.81	1940-10-05		-23.97
1940-09-28		-23.98	1940-09-21		-23.92
1940-09-14		-23.97	1940-09-07		-23.95
1940-08-31		-23.83	1940-08-24		-23.84
1940-08-17		-23.79	1940-08-10		-23.73
1940-08-03		-23.64	1940-07-27		-23.61
1940-07-20		-23.64	1940-07-13		-23.40
1940-07-06		-23.38	1940-06-29		-23.20
1940-06-22		-23.23	1940-06-15		-23.12
1940-06-08		-23.01	1940-06-01		-22.85
1940-05-25		-22.84	1940-05-18		-22.83
1940-05-11		-22.86	1940-05-04		-22.81
1940-04-27		-22.83	1940-04-20		-22.81
1940-04-13		-22.84	1940-04-06		-22.85

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1940-03-30		-22.84	1940-03-23		-22.85
1940-03-16		-22.89	1940-03-09		-22.92
1940-03-02		-22.92	1940-02-24		-22.93
1940-02-17		-23.02	1940-02-10		-22.96
1940-02-03		-23.00	1940-01-27		-23.01
1940-01-20		-23.01	1940-01-13		-23.04
1940-01-06		-23.05	1939-12-30		-23.06
1939-12-23		-23.07	1939-12-16		-23.14
1939-12-09		-23.21	1939-12-02		-23.40
1939-11-25		-23.61	1939-11-18		-23.82
1939-11-11		-24.00	1939-11-04		-24.16
1939-10-28		-24.21	1939-10-21		-24.25
1939-10-14		-24.33	1939-10-07		-24.38
1939-09-30		-24.46	1939-09-23		-24.35
1939-09-16		-24.21	1939-09-08		-24.35
1939-09-01		-24.32	1939-08-25		-24.29
1939-08-18		-24.25	1939-08-11		-24.24
1939-08-04		-24.20	1939-07-28		-23.81
1939-07-21		-24.05	1939-07-14		-23.99
1939-07-07		-23.94	1939-06-30		-23.85
1939-06-23		-23.82	1939-06-16		-23.79
1939-06-09		-23.73	1939-06-02		-23.64
1939-05-26		-23.54	1939-05-19		-23.47
1939-05-12		-23.41	1939-05-05		-23.30
1939-04-28		-23.35	1939-04-21		-23.40
1939-04-15		-23.37	1939-04-08		-23.52
1939-03-31		-23.66	1939-03-24		-23.73
1939-03-17		-23.77	1939-03-10		-23.68
1939-03-03		-23.74	1939-02-24		-23.80
1939-02-17		-23.84	1939-02-10		-23.89
1939-02-03		-23.93	1939-01-27		-24.04
1939-01-20		-24.06	1939-01-13		-24.12
1939-01-06		-24.21	1938-12-30		-24.28
1938-12-23		-24.35	1938-12-16		-24.42
1938-12-09		-24.53	1938-12-02		-24.53
1938-11-25		-24.57	1938-11-18		-24.60
1938-11-04		-24.69	1938-10-28		-24.73
1938-10-21		-24.80	1938-10-14		-24.88
1938-10-07		-24.99	1938-09-23		-25.15
1938-09-16		-25.23	1938-09-09		-25.28
1938-09-02		-25.25	1938-08-26		-25.15
1938-08-19		-25.04	1938-08-12		-24.92
1938-08-05		-24.85	1938-07-29		-24.71
1938-07-22		-24.61	1938-07-15		-24.51
1938-07-08		-24.15	1938-07-01		-24.21
1938-06-25		-24.06	1938-06-18		-23.71
1938-06-11		-23.73	1938-06-04		-23.70
1938-05-28		-23.80	1938-05-21		-23.79
1938-05-14		-23.81	1938-05-07		-23.84
1938-04-30		-23.92	1938-04-23		-23.94
1938-04-16		-24.00	1938-04-09		-24.04
1938-04-02		-24.13	1938-03-26		-24.23
1938-03-19		-24.28	1938-03-12		-24.40
1938-03-05		-24.89	1938-02-26		-26.59
1938-02-19		-26.67	1938-02-12		-28.05

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1938-02-04		-28.37	1938-01-28		-29.07
1938-01-21		-29.20	1938-01-14		-28.78
1938-01-07		-29.34	1937-12-31		-29.31
1937-12-24		-29.24	1937-12-18		-29.62
1937-12-11		-29.69			

**3  
NW  
1/4 - 1/2 Mile  
Higher**

**FED USGS USGS40000828808**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404146073560201		
Monloc name:	K 952. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.696214
Longitude:	-73.9334708	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	67.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	122
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**4  
ESE  
1/2 - 1 Mile  
Lower**

**FED USGS USGS40000828574**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404112073551101		
Monloc name:	K 1199. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.6867697
Longitude:	-73.9193037	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	76
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 331

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1960-12-27		5.19	1960-12-07		4.72
1960-11-02		4.23	1960-09-28		4.22
1960-08-30		4.07	1960-07-19		3.94
1960-06-30		3.78	1960-06-02		3.57
1960-05-04		4.01	1960-03-29		4.32
1960-01-27		4.35	1960-01-05		4.40
1959-12-01		4.69	1959-11-02		4.37
1959-10-06		4.35	1959-09-03		4.10
1959-08-04		4.10	1959-07-07		4.26
1959-06-02		3.93	1959-05-06		3.93
1959-04-03		3.87	1959-03-05		4.14
1959-01-29		4.24	1959-01-07		3.59
1958-12-09		3.64	1958-10-30		3.66
1958-10-07		3.53	1958-08-28		3.48
1958-07-29		3.46	1958-06-30		3.38
1958-05-29		3.27	1958-05-01		3.22
1958-04-02		2.82	1958-03-03		3.02
1958-01-28		2.73	1957-12-31		2.93
1957-11-22		2.92	1957-10-30		2.96
1957-09-24		3.02	1957-08-26		3.07
1957-07-24		3.19	1957-06-27		3.29
1957-05-28		3.36	1957-04-24		3.18
1957-03-27		3.37	1957-02-27		3.27
1957-01-25		2.94	1956-12-18		3.12
1956-11-29		3.05	1956-10-25		3.02
1956-10-02		2.92	1956-08-02		2.87
1956-07-11		2.90	1956-06-05		2.87
1956-05-15		2.62	1956-03-06		2.62
1956-02-07		2.40	1955-12-22		2.63
1955-11-07		1.99	1955-10-05		1.87
1955-08-25		1.76	1955-07-26		1.73
1955-06-23		1.76	1955-05-24		1.68
1955-04-26		1.45	1955-03-29		1.45
1955-02-25		1.77	1955-01-25		1.52
1954-12-27		1.64	1954-12-02		1.17
1954-10-28		1.32	1954-10-05		1.25
1954-08-25		1.31	1954-07-29		1.18
1954-07-01		1.22	1954-05-27		1.53
1954-04-28		1.17	1954-03-27		1.64
1954-02-25		1.39	1953-12-26		0.69
1953-12-22		0.67	1953-12-02		0.63

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1953-10-28		0.40	1953-10-01		0.33
1953-08-28		0.29	1953-08-03		0.20
1953-06-24		-0.02	1953-05-25		-0.76
1953-04-27		-0.64	1953-03-25		-1.22
1953-02-26		-1.48	1953-02-11		-1.19
1952-12-24		-0.96	1952-12-05		-1.38
1952-11-03		-2.31	1952-09-22		-2.37
1952-08-25		-2.68	1952-07-23		-3.16
1952-06-24		-3.47	1952-05-27		-3.78
1952-04-29		-4.20	1952-03-24		-4.44
1952-02-20		-4.51	1952-01-24		-4.96
1951-12-20		-4.92	1951-11-28		-5.20
1951-11-01		-5.28	1951-09-26		-5.43
1951-08-28		-5.49	1951-07-26		-5.58
1951-06-28		-5.74	1951-05-29		-5.98
1951-05-01		-5.86	1951-03-27		-5.85
1951-02-26		-6.43	1951-01-30		-6.07
1950-12-20		-6.14	1950-11-28		-6.80
1950-10-31		-6.85	1950-09-27		-6.84
1950-08-29		-6.86	1950-07-26		-6.72
1950-06-28		-6.56	1950-06-05		-6.49
1950-04-27		-6.47	1950-03-29		-6.52
1950-03-01		-6.76	1950-01-26		-7.00
1949-12-28		-7.58	1949-11-28		-7.68
1949-10-31		-7.99	1949-09-28		-8.02
1949-08-31		-8.16	1949-07-28		-8.32
1949-06-30		-8.52	1949-06-01		-8.78
1949-04-28		-9.10	1949-04-04		-9.50
1949-02-23		-10.20	1949-01-26		-10.57
1948-12-29		-10.70	1948-12-09		-10.52
1948-11-04		-11.30	1948-10-04		-11.42
1948-08-30		-11.65	1948-07-26		-12.05
1948-06-30		-12.32	1948-06-02		-12.64
1948-04-27		-13.15	1948-03-26		-13.26
1948-03-03		-13.91	1948-02-03		-13.44
1948-01-07		-14.48	1947-12-16		-14.51
1947-11-26		-14.84	1947-11-20		-14.65
1947-10-31		-14.99	1947-10-14		-15.11
1947-10-07		-15.16	1947-09-30		-15.16
1947-09-15		-15.23	1947-08-27		-15.30
1947-08-13		-15.32	1947-07-30		-15.33
1947-07-23		-15.38	1947-07-16		-15.36
1947-07-07		-15.33	1947-07-02		-15.28
1947-06-30		-15.35	1947-06-24		-15.35
1947-05-29		-15.28	1947-05-07		-15.26
1947-04-04		-15.34	1947-03-05		-15.29
1947-01-27		-15.22	1946-12-27		-15.28
1946-11-26		-15.29	1946-10-22		-15.22
1946-09-26		-15.21	1946-08-30		-14.96
1946-07-26		-15.16	1946-07-01		-15.14
1946-06-18		-15.14	1946-05-10		-15.20
1946-04-12		-15.20	1946-03-15		-15.23
1946-02-14		-15.26	1946-01-08		-15.43
1945-12-04		-15.55	1945-11-06		-15.63
1945-09-28		-15.62	1945-09-12		-15.61



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1945-08-08		-15.53	1945-07-03		-15.22
1945-06-04		-15.14	1945-04-27		-15.28
1945-04-04		-15.35	1945-03-03		-15.46
1945-01-02		-15.70	1944-12-06		-15.84
1944-10-27		-15.98	1944-10-04		-16.02
1944-09-02		-16.07	1944-07-31		-16.11
1944-05-27		-15.91	1944-05-05		-16.03
1944-04-01		-16.23	1944-02-26		-16.29
1944-01-29		-16.38	1944-01-01		-17.17
1943-11-27		-16.45	1943-10-30		-16.31
1943-09-25		-15.89	1943-08-28		-16.11
1943-07-31		-16.08	1943-06-26		-15.90
1943-05-29		-15.98	1943-05-01		-16.08
1943-03-27		-16.21	1943-02-27		-16.28
1943-01-30		-16.32	1943-01-02		-16.49
1942-12-26		-16.52	1942-12-12		-16.57
1942-12-05		-16.61	1942-11-28		-16.61
1942-11-21		-16.63	1942-11-14		-16.62
1942-11-07		-16.66	1942-10-31		-16.67
1942-10-24		-16.68	1942-10-17		-16.70
1942-10-10		-16.67	1942-10-03		-16.65
1942-09-26		-16.62	1942-09-19		-16.61
1942-09-12		-16.56	1942-09-05		-16.53
1942-08-29		-16.43	1942-08-22		-16.48
1942-08-15		-16.44	1942-08-08		-16.42
1942-08-01		-16.38	1942-07-25		-16.36
1942-07-18		-16.35	1942-07-11		-16.33
1942-07-04		-16.26	1942-06-27		-16.25
1942-06-20		-16.22	1942-06-13		-16.18
1942-06-06		-16.17	1942-05-30		-16.15
1942-05-23		-16.12	1942-05-16		-16.15
1942-05-09		-16.13	1942-05-02		-16.13
1942-04-25		-16.14	1942-04-18		-16.15
1942-04-11		-16.18	1942-04-04		-16.13
1942-03-28		-16.13	1942-03-21		-16.17
1942-03-14		-16.17	1942-03-07		-16.15
1942-02-28		-16.18	1942-02-21		-16.22
1942-02-14		-16.17	1942-02-07		-16.24
1942-01-31		-16.20	1942-01-24		-16.22
1942-01-17		-16.26	1942-01-10		-16.31
1942-01-03		-16.20	1941-12-27		-16.28
1941-12-20		-16.26	1941-12-06		-16.30
1941-11-29		-16.30	1941-11-22		-16.28
1941-11-15		-16.31	1941-11-08		-16.23
1941-11-01		-16.25	1941-10-25		-16.27
1941-10-18		-16.25	1941-10-11		-16.18
1941-10-04		-16.18	1941-09-27		-16.06
1941-09-20		-16.04	1941-09-13		-15.98
1941-09-06		-15.97	1941-08-30		-15.95
1941-08-23		-15.90	1941-08-16		-15.89
1941-08-09		-15.83	1941-08-02		-15.75
1941-07-26		-15.72	1941-07-19		-15.68
1941-07-12		-15.64	1941-07-05		-15.59
1941-06-28		-15.56	1941-06-21		-15.52
1941-06-14		-15.52	1941-06-07		-15.46

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-05-31		-15.39	1941-05-24		-15.33
1941-05-17		-15.33	1941-05-10		-15.28
1941-05-03		-15.33	1941-04-26		-15.34
1941-04-19		-15.32	1941-04-12		-15.29
1941-04-05		-15.31	1941-03-29		-15.38
1941-03-22		-15.37	1941-03-15		-15.38
1941-03-08		-15.43	1941-03-01		-15.40
1941-02-22		-15.47	1941-02-15		-15.49
1941-02-08		-15.54	1941-02-01		-15.56
1941-01-25		-15.56	1941-01-18		-15.60
1941-01-11		-15.61	1941-01-04		-15.63
1940-12-28		-15.68	1940-12-21		-15.68
1940-12-14		-15.70	1940-12-07		-15.68
1940-11-30		-15.71	1940-11-23		-15.77
1940-11-16		-15.77			

**5  
ENE  
1/2 - 1 Mile  
Lower**

**FRDS PWS NY0015078**

PWS ID: NY0015078  
 Date Initiated: Not Reported      Date Deactivated: Not Reported  
 PWS Name: CALABAR  
 LAKE KATRINE, NY 12449

Addressee / Facility: System Owner/Responsible Party  
 BRADLEY VIRGINIA  
 KAELBERGH CLUB  
 UPO BOX 3756 LINDERMAN AVE.  
 KINGSTON, NY 12401

Facility Latitude: 40 41 39      Facility Longitude: 073 55 09  
 City Served: ULSTER (T)  
 Treatment Class: Untreated      Population: 00000099

Violations information not reported.

**6  
NW  
1/2 - 1 Mile  
Higher**

**FED USGS USGS40000828836**

Org. Identifier: USGS-NY  
 Formal name: USGS New York Water Science Center  
 Monloc Identifier: USGS-404150073561301  
 Monloc name: K 255.1  
 Monloc type: Well  
 Monloc desc: 1301  
 Huc code: 02030201      Drainagearea value: Not Reported  
 Drainagearea Units: Not Reported      Contrib drainagearea: Not Reported  
 Contrib drainagearea units: Not Reported      Latitude: 40.6973251  
 Longitude: -73.9365265      Sourcemap scale: 24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	54.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	ft	Welldepth:	123
Wellholedepth units:	ft	Wellholedepth:	123

Ground-water levels, Number of Measurements: 0

**A7  
NNE  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40000828893**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404155073552108		
Monloc name:	K 3245. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.698714
Longitude:	-73.9220816	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	24.5
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	ft	Welldepth:	24
Wellholedepth units:	Not Reported	Wellholedepth:	Not Reported

Ground-water levels, Number of Measurements: 148

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2000-09-27		6.92	2000-08-24		6.94
2000-07-27		6.96	2000-06-28		6.83
2000-05-23		6.65	2000-04-27		6.61
2000-03-23		6.61	2000-02-29		6.51
1999-12-13		6.69	1999-11-23		6.79
1999-10-19		6.82	1999-09-23		7.01
1999-08-17		6.99	1999-07-20		7.03
1999-06-24		7.02	1999-05-18		7.06
1999-04-28		7.07	1999-03-23		7.11
1999-03-02		7.13	1999-01-27		7.17

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1998-11-24		7.36	1998-09-29		7.84
1998-09-01		7.95	1998-07-28		8.17
1998-06-10		8.19	1998-05-20		8.24
1998-04-29		7.83	1998-01-29		7.39
1997-12-17		7.30	1997-11-26		7.36
1997-11-05		7.34	1997-09-29		7.64
1997-07-23		7.47	1997-06-26		7.52
1997-05-29		7.28	1997-03-18		7.32
1997-02-28		7.27	1997-01-24		7.26
1997-01-07		7.36	1996-09-19		6.80
1996-03-13		6.57	1996-01-23		6.23
1995-11-28		6.25	1995-09-26		6.68
1995-07-19		6.74	1995-05-23		6.43
1995-03-14		6.69	1995-01-25		6.77
1994-12-13		6.73	1994-10-18		6.95
1994-09-21		7.06	1994-08-24		7.16
1994-07-27		7.24	1994-06-20		7.17
1994-05-17		7.23	1994-04-26		7.19
1994-03-25		6.95	1994-02-02		6.47
1993-12-27		6.28	1993-11-18		6.46
1993-10-28		6.70	1993-09-15		6.95
1993-08-18		7.05	1993-07-15		7.12
1993-06-22		7.20	1993-05-20		7.28
1993-04-29		7.32	1993-03-23		6.98
1993-02-24		6.97	1993-01-26		7.95
1992-12-29		7.98	1992-11-24		9.12
1992-10-28		8.63	1992-09-16		7.22
1992-08-25		7.17	1992-06-23		7.22
1992-06-15		6.95	1992-05-12		7.51
1992-04-14		8.23	1992-03-18		8.66
1992-02-19		8.76	1992-01-22		9.17
1991-12-18		9.05	1991-11-14		8.81
1991-10-16		8.42	1991-09-17		8.57
1991-08-15		8.35	1991-07-16		8.28
1991-06-12		8.24	1991-05-15		8.15
1991-04-15		7.83	1991-03-20		8.04
1991-02-21		8.11	1991-01-24		8.51
1990-12-10		8.17	1990-11-13		8.69
1990-10-10		8.50	1990-09-12		7.61
1990-08-14		8.62	1990-07-12		8.54
1990-06-20		8.40	1990-05-25		8.24
1990-04-24		8.15	1990-04-04		8.23
1990-02-26		8.19	1990-01-24		8.31
1989-12-28		8.38	1989-11-21		8.40
1989-10-27		8.40	1989-09-29		8.32
1989-08-31		8.30	1989-07-25		7.95
1989-06-22		7.68	1989-05-22		7.20
1989-04-28		6.99	1989-03-29		6.70
1989-02-28		7.22	1989-01-17		7.26
1988-12-09		7.35	1988-11-16		7.11
1988-10-19		6.89	1988-09-14		6.99
1988-08-31		6.97	1988-07-22		6.92
1988-06-17		6.76	1988-06-01		5.80
1985-10-01		8.18	1985-05-18		8.22
1984-12-18		10.11	1984-10-05		10.85

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1984-06-27		11.37	1984-03-16		10.58
1984-01-05		10.35	1983-09-29		9.08
1983-06-29		9.51	1983-03-25		9.36
1982-12-21		9.05	1982-10-06		9.40
1982-06-30		8.84	1982-04-05		9.44
1981-12-29		9.65	1981-09-23		9.70
1981-06-24		9.95	1981-03-18		11.20
1981-02-10		11.23	1980-12-30		11.24
1980-09-23		11.52	1980-06-24		11.20

**A8  
NNE  
1/2 - 1 Mile  
Lower**

**FED USGS**

**USGS40000828894**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404155073552109		
Monloc name:	K 3245. 2		
Monloc type:	Well		
Monloc desc:	WILSON AVE. AND STANHOPE ST., BUSHWICK		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.698714
Longitude:	-73.9220816	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Unconfined single aquifer		
Construction date:	20001019	Welldepth:	21.9
Welldepth units:	ft	Wellholedepth:	21.9
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 47

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-15		13.06	2005-01-21		12.11
2004-12-15		12.19	2004-11-23		12.28
2004-10-21		12.55	2004-09-21		12.58
2004-08-25		12.53	2004-07-19		12.36
2004-06-16		12.15	2004-05-25		12.16
2004-04-29		12.13	2004-02-25		12.04
2003-12-18		11.85	2003-11-25		11.82
2003-10-29		11.75	2003-09-24		11.80
2003-08-25		11.75	2003-07-21		11.41
2003-06-25		11.07	2003-05-19		10.40
2003-04-28		10.41	2003-02-27		10.56
2003-01-28		10.83	2002-12-27		10.97

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-11-26		11.15	2002-10-21		11.19
2002-09-25		11.04	2002-08-27		10.77
2002-07-22		10.82	2002-06-18		10.83
2002-04-24		10.81	2002-02-27		11.00
2002-01-28		11.10	2001-12-28		11.27
2001-11-15		11.51	2001-10-24		11.64
2001-09-26		11.71	2001-08-29		11.83
2001-07-24		11.78	2001-06-28		11.84
2001-05-24		11.86	2001-04-25		11.92
2001-02-22		11.42	2001-01-17		11.43
2000-12-19		11.55	2000-11-28		11.64
2000-10-24		11.79			

**B9**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS40000828957**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404201073555601		
Monloc name:	K 887. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7003806
Longitude:	-73.9318041	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	49.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	125
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**10**  
**West**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS40000828626**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404120073563301		
Monloc name:	K 3482. 1		
Monloc type:	Well		
Monloc desc:	N/E CORNER OF GREENE AVE AND MARCY AVENUE		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.6889919
Longitude:	-73.9420822	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	50
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Unconfined single aquifer		
Construction date:	20010717	Welldepth:	70
Welldepth units:	ft	Wellholedepth:	70
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**B11  
NNW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS40000829000**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404204073555401		
Monloc name:	K 1031. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7012139
Longitude:	-73.9312485	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	49.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C12  
NNW  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40000829001**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404204073560201		
Monloc name:	K 1336. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7012139
Longitude:	-73.9334708	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	50.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	163
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**D13**  
**NNW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000829002**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404204073561001		
Monloc name:	K 2136. 1		
Monloc type:	Well		
Monloc desc:	1001		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7012139
Longitude:	-73.9356931	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	50.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	112
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**D14**  
**NNW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000829003**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404204073561008		
Monloc name:	K 236. 1		
Monloc type:	Well		
Monloc desc:	1008		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7012139
Longitude:	-73.9356931	Sourcemap scale:	24000



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: Not Reported
Vert measure units: Not Reported	Vertacc measure val: Not Reported
Vert accmeasure units: Not Reported	
Vertcollection method: Not Reported	
Vert coord refsys: Not Reported	Countrycode: US
Aquifername: Not Reported	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: Not Reported	Welldepth: 130
Welldepth units: ft	Wellholedepth: 130
Wellholedepth units: ft	

Ground-water levels, Number of Measurements: 52

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1954-12-17	-8.30		1954-06-29	-9.31	
1954-05-27	-8.45		1954-04-28	-10.08	
1954-03-30	-9.85		1954-02-25	-9.49	
1954-01-28	-10.11		1953-12-23	-10.76	
1953-12-02	-10.78		1953-10-28	-10.03	
1953-10-02	-11.58		1953-08-28	-11.23	
1953-08-03	-11.25		1953-06-24	-10.48	
1953-05-25	-10.59		1953-04-27	-11.85	
1953-03-24	-12.38		1953-02-27	-12.18	
1953-02-05	-12.68		1952-12-24	-12.74	
1952-12-05	-12.60		1952-11-03	-13.70	
1952-09-23	-16.95		1952-08-25	-16.73	
1952-07-23	-17.79		1952-06-24	-17.05	
1952-05-27	-17.69		1952-04-29	-19.03	
1952-03-24	-19.20		1952-02-20	-20.10	
1952-01-29	-20.88		1951-12-20	-22.55	
1951-11-28	-22.59		1951-09-26	-24.85	
1951-08-28	-25.66		1951-07-26	-25.95	
1951-06-28	-25.47		1951-05-29	-26.24	
1951-05-02	-26.53		1951-03-27	-26.63	
1951-02-26	-26.78		1951-01-30	-27.90	
1950-12-20	-28.49		1950-11-28	-28.00	
1950-10-31	-27.98		1950-09-27	-29.66	
1950-08-29	-29.53		1950-07-27	-29.04	
1950-06-29	-27.59		1950-06-05	-26.28	
1950-04-27	-28.80		1950-03-29	-28.80	

**C15  
NNW  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40000829031**

Org. Identifier: USGS-NY	
Formal name: USGS New York Water Science Center	
Monloc Identifier: USGS-404206073560501	
Monloc name: K 1153. 1	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 02030201	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 40.7017694
Longitude: -73.9343042	Sourcemap scale: 24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	42.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	103
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**C16  
NNW  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40000829032**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404206073560503		
Monloc name:	K 1273. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7017694
Longitude:	-73.9343042	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	40.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	275
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**17  
NNW  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40000829063**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404209073555701		
Monloc name:	K 87. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7026028
Longitude:	-73.9320819	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: Not Reported
Vert measure units: Not Reported	Vertacc measure val: Not Reported
Vert accmeasure units: Not Reported	
Vertcollection method: Not Reported	
Vert coord refsys: Not Reported	Countrycode: US
Aquifername: Not Reported	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: Not Reported	Welldepth: 160
Welldepth units: ft	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

Ground-water levels, Number of Measurements: 184

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-05-31	-9.41		1941-05-24	-9.39	
1941-05-17	-9.36		1941-05-10	-9.36	
1941-05-03	-9.32		1941-04-26	-9.30	
1941-04-19	-9.27		1941-04-12	-9.27	
1941-04-05	-9.25		1941-03-29	-9.25	
1941-03-22	-9.24		1941-03-15	-9.24	
1941-03-08	-9.22		1941-03-01	-9.22	
1941-02-22	-9.22		1941-02-15	-9.22	
1941-02-08	-9.22		1941-02-01	-9.23	
1941-01-25	-9.23		1941-01-18	-9.24	
1941-01-11	-9.24		1941-01-04	-9.26	
1940-12-28	-9.25		1940-12-21	-9.24	
1940-12-14	-9.20		1940-12-07	-9.19	
1940-11-30	-9.16		1940-11-23	-9.13	
1940-11-16	-9.13		1940-11-09	-9.10	
1940-11-02	-9.05		1940-10-26	-9.03	
1940-10-19	-8.98		1940-10-12	-8.92	
1940-10-05	-8.91		1940-09-28	-8.88	
1940-09-21	-8.82		1940-09-14	-8.74	
1940-09-07	-8.67		1940-08-31	-8.51	
1940-08-24	-8.55		1940-08-17	-8.44	
1940-08-10	-8.50		1940-08-03	-8.34	
1940-07-20	-8.86		1940-07-13	-8.70	
1940-07-06	-8.72		1940-06-29	-7.98	
1940-06-22	-8.45		1940-06-15	-8.10	
1940-06-08	-7.91		1940-06-01	-7.83	
1940-05-25	-7.79		1940-05-18	-7.78	
1940-05-11	-7.77		1940-05-04	-7.75	
1940-04-27	-7.73		1940-04-20	-7.72	
1940-04-13	-7.69		1940-04-06	-7.60	
1940-03-30	-7.69		1940-03-23	-7.71	
1940-03-16	-7.69		1940-03-09	-7.71	
1940-03-02	-7.68		1940-02-24	-7.71	
1940-02-17	-7.69		1940-02-10	-8.44	
1940-02-03	-8.47		1940-01-27	-8.37	
1940-01-20	-8.43		1940-01-13	-8.51	
1940-01-06	-8.73		1939-12-30	-8.58	
1939-12-23	-8.73		1939-12-16	-8.77	
1939-12-09	-8.56		1939-12-02	-8.70	
1939-11-25	-8.92		1939-11-18	-9.02	
1939-11-11	-8.91		1939-11-04	-8.93	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1939-10-28		-8.98	1939-10-21		-8.92
1939-10-14		-8.98	1939-10-07		-8.82
1939-09-30		-8.87	1939-09-23		-7.99
1939-09-16		-7.92	1939-09-08		-7.87
1939-09-01		-7.82	1939-08-25		-7.76
1939-08-18		-7.70	1939-08-11		-7.63
1939-08-04		-7.60	1939-07-28		-7.53
1939-07-07		-7.33	1939-06-30		-7.33
1939-06-23		-7.33	1939-06-16		-7.36
1939-06-09		-7.38	1939-06-02		-7.39
1939-05-26		-7.41	1939-05-19		-7.45
1939-05-12		-7.48	1939-05-05		-7.46
1939-04-28		-7.48	1939-04-21		-7.48
1939-04-15		-7.50	1939-04-08		-7.52
1939-03-31		-7.61	1939-03-24		-7.69
1939-03-17		-7.69	1939-03-10		-7.63
1939-03-03		-7.92	1939-02-24		-7.70
1939-02-17		-7.72	1939-02-10		-7.74
1939-02-03		-7.79	1939-01-27		-7.85
1939-01-20		-7.86	1939-01-13		-7.89
1939-01-06		-7.93	1938-12-30		-7.95
1938-12-23		-8.00	1938-12-16		-8.03
1938-12-09		-8.07	1938-12-02		-8.13
1938-11-25		-8.13	1938-11-18		-8.17
1938-11-11		-8.16	1938-11-04		-8.21
1938-10-28		-8.22	1938-10-21		-8.24
1938-10-14		-8.27	1938-10-07		-8.29
1938-09-30		-8.33	1938-09-23		-8.36
1938-09-16		-8.38	1938-09-09		-8.36
1938-09-02		-8.34	1938-08-26		-8.28
1938-08-19		-8.26	1938-08-12		-8.22
1938-08-05		-8.18	1938-07-29		-8.13
1938-07-22		-8.08	1938-07-15		-8.08
1938-07-08		-8.00	1938-07-01		-7.96
1938-06-25		-7.93	1938-06-18		-7.86
1938-06-11		-7.83	1938-06-04		-7.82
1938-05-28		-7.77	1938-05-21		-7.76
1938-05-14		-7.74	1938-05-07		-7.74
1938-04-30		-7.72	1938-04-23		-7.71
1938-04-16		-7.68	1938-04-09		-7.66
1938-04-02		-7.67	1938-03-26		-7.67
1938-03-19		-7.69	1938-03-12		-7.71
1938-03-05		-7.73	1938-02-26		-7.76
1938-02-19		-7.79	1938-02-12		-7.83
1938-02-04		-7.84	1938-01-28		-7.89
1938-01-21		-7.91	1938-01-14		-7.93
1938-01-07		-7.99	1937-12-31		-8.02
1937-12-24		-8.04	1937-12-18		-8.06
1937-12-11		-8.13	1937-12-04		-8.13
1937-11-27		-8.18	1937-11-20		-8.23
1937-11-13		-8.23	1937-11-08		-8.25

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**18**  
**NNW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000829052**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404208073560201		
Monloc name:	K 36. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.702325
Longitude:	-73.9334708	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	115
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**19**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000828715**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404132073564301		
Monloc name:	K 249. 1		
Monloc type:	Well		
Monloc desc:	4301		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.6923252
Longitude:	-73.94486	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	40.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	175
Construction date:	Not Reported	Wellholedepth:	175
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**E20**  
**North**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000829082**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404211073553401		
Monloc name:	K 1575. 1		
Monloc type:	Well		
Monloc desc:	3401		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7031583
Longitude:	-73.9256928	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	85
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**F21**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000828320**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404039073555001		
Monloc name:	K 3425. 1		
Monloc type:	Well		
Monloc desc:	5001		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.6776033
Longitude:	-73.9301374	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	61.9
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	80
Construction date:	19921119	Wellholedepth:	80
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 125

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-15		11.70	2005-01-21		11.72
2004-12-15		11.62	2004-11-23		11.69
2004-10-21		11.63	2004-09-21		11.58
2004-08-25		11.42	2004-07-19		11.49
2004-06-16		11.28	2004-05-25		11.26
2004-04-29		11.17	2004-03-21		11.15
2004-02-25		11.14	2004-01-30		11.26
2003-12-18		11.04	2003-11-25		10.98
2003-10-29		11.15	2003-09-24		11.12
2003-08-25		11.07	2003-07-21		10.94
2003-06-25		10.71	2003-06-25		10.70
2003-05-19		10.49	2003-04-28		10.49
2003-03-17		10.32	2003-02-27		10.14
2003-01-28		10.06	2002-12-27		9.79
2002-11-26		9.69	2002-10-21		9.54
2002-09-25		9.45	2002-08-27		9.46
2002-07-22		9.58	2002-06-18		9.56
2002-05-29		9.68	2002-04-24		9.78
2002-03-22		9.95	2002-02-27		10.13
2002-01-28		10.21	2001-12-28		10.39
2001-11-15		10.72	2001-10-24		10.67
2001-09-26		10.69	2001-08-29		10.75
2001-07-24		11.01	2001-07-17		10.83
2001-06-28		10.90	2001-05-24		10.82
2001-04-25		10.59	2001-03-20		10.32
2001-02-22		10.36	2001-01-17		10.45
2000-12-19		10.61	2000-11-28		10.66
2000-10-24		10.84	2000-09-27		10.85
2000-08-24		10.86	2000-07-27		10.74
2000-06-28		10.66	2000-05-23		10.58
2000-04-27		10.52	2000-03-23		10.60
2000-02-29		10.58	1999-12-13		10.75
1999-11-23		10.72	1999-10-19		10.72
1999-09-23		10.85	1999-08-17		11.02
1999-07-20		10.95	1999-07-07		11.05
1999-06-24		11.05	1999-05-18		11.10
1999-04-28		11.08	1999-03-23		11.11
1999-03-02		11.21	1999-01-27		11.35
1998-11-24		11.78	1998-10-29		11.95
1998-09-29		12.09	1998-09-01		12.25
1998-07-28		12.40	1998-06-10		12.11
1998-05-20		11.92	1998-04-29		11.74
1998-03-24		11.49	1998-01-29		11.45
1997-12-17		11.58	1997-11-26		11.67
1997-11-05		11.60	1997-09-29		11.95
1997-07-23		11.71	1997-06-26		11.86
1997-05-29		11.77	1997-03-17		11.80
1997-02-26		11.75	1997-01-24		11.70
1997-01-07		11.66	1996-09-19		11.44
1996-07-02		11.32	1996-03-14		10.85

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1996-01-23		10.61	1995-11-28		10.61
1995-09-26		10.64	1995-07-19		10.65
1995-05-23		10.76	1995-03-14		11.03
1995-01-25		11.19	1994-12-13		11.28
1994-09-21		11.59	1994-08-24		11.60
1994-07-27		11.74	1994-06-20		11.65
1994-05-16		11.56	1994-04-26		11.32
1994-03-24		11.09	1994-02-22		10.87
1994-02-02		10.85	1993-12-27		10.80
1993-11-18		10.98	1993-10-27		11.22
1993-09-15		11.25	1993-08-18		11.27
1993-07-14		11.42	1993-06-22		11.56
1993-03-23		11.07			

**F22**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS40000828321**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404039073555002		
Monloc name:	K 3410. 1		
Monloc type:	Well		
Monloc desc:	5002		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.6776033
Longitude:	-73.9301374	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	61.8
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Lloyd Aquifer		
Aquifer type:	Not Reported		
Construction date:	19941018	Welldepth:	360
Welldepth units:	ft	Wellholedepth:	395
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 102

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-15		8.58	2005-01-21		8.52
2004-12-16		8.35	2004-11-23		8.29
2004-10-21		8.08	2004-09-21		7.94
2004-08-25		7.84	2004-07-19		7.91
2004-06-16		7.84	2004-05-25		7.92
2004-04-29		7.93	2004-03-21		7.99
2004-02-25		8.21	2004-01-30		7.86
2003-12-18		8.12	2003-11-25		7.90



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-10-29		7.98	2003-09-24		7.74
2003-08-25		7.71	2003-07-21		7.86
2003-06-25		8.08	2003-06-25		8.08
2003-05-19		7.66	2003-04-28		7.85
2003-03-17		7.68	2003-02-27		7.38
2003-01-28		7.41	2002-12-27		7.33
2002-11-26		7.33	2002-10-21		7.36
2002-09-25		6.77	2002-08-27		6.52
2002-07-22		6.65	2002-06-18		7.02
2002-05-29		6.97	2002-04-24		6.82
2002-03-22		6.96	2002-02-27		7.14
2002-01-28		6.83	2001-12-28		7.04
2001-11-15		6.72	2001-10-24		6.73
2001-09-26		6.64	2001-08-29		6.55
2001-07-24		6.85	2001-07-17		6.81
2001-06-28		6.84	2001-05-24		6.99
2001-04-25		6.96	2001-03-20		6.76
2001-02-22		6.61	2001-01-17		6.60
2000-12-19		6.69	2000-11-28		6.63
2000-10-24		6.56	2000-09-27		6.58
2000-08-24		6.47	2000-07-27		6.51
2000-06-28		6.51	2000-05-23		6.82
2000-04-27		6.92	2000-03-23		6.71
2000-02-29		6.52	1999-12-13		6.21
1999-11-23		6.05	1999-10-19		5.98
1999-09-23		6.04	1999-08-17		5.59
1999-07-20		5.60	1999-07-07		5.71
1999-06-24		6.02	1999-05-18		6.11
1999-04-28		6.12	1999-03-23		6.26
1999-03-02		6.42	1999-01-27		6.58
1998-11-24		5.78	1998-10-29		5.78
1998-09-29		5.86	1998-09-01		5.86
1998-07-28		6.32	1998-06-10		6.32
1998-05-20		6.66	1998-04-28		6.39
1998-03-24		6.58	1998-01-29		6.47
1997-12-17		6.60	1997-11-26		6.46
1997-11-05		6.39	1997-09-29		6.73
1997-07-23		6.57	1997-06-26		7.50
1997-05-29		7.70	1997-03-20		7.81
1997-02-26		7.77	1997-01-24		7.72
1997-01-07		8.09	1996-09-19		8.06
1996-07-02		8.04	1996-04-18		8.21
1996-03-14		7.99	1995-03-14		7.86

**E23  
North  
1/2 - 1 Mile  
Lower**

**FED USGS USGS40000829101**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404213073553101		
Monloc name:	K 1576. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7037139
Longitude:	-73.9248595	Sourcemap scale:	24000

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: Not Reported
Vert measure units: Not Reported	Vertacc measure val: Not Reported
Vert accmeasure units: Not Reported	
Vertcollection method: Not Reported	
Vert coord refsys: Not Reported	Countrycode: US
Aquifername: Not Reported	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: Not Reported	Welldepth: 68
Welldepth units: ft	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

Ground-water levels, Number of Measurements: 22

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----	-----	-----	-----	-----	-----
1969-04-23		2.13	1968-11-06		-1.59
1968-04-22		2.68	1967-10-20		1.81
1967-03-28		1.37	1966-10-24		-0.39
1966-05-03		1.92	1965-09-15		-0.04
1965-05-03		0.89	1964-10-30		0.55
1964-04-27		2.46	1963-04-11		2.69
1962-04-26		2.64	1961-12-27		1.13
1961-01-09		-0.69	1960-01-14		-0.81
1959-03-18		-1.83	1957-03-15		-1.50
1953-01-13		-8.08	1952-01-02		-14.55
1950-12-12		-17.74	1949-12-16		-19.23

**G24  
SSW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS40000828291**

Org. Identifier: USGS-NY	
Formal name: USGS New York Water Science Center	
Monloc Identifier: USGS-404037073560008	
Monloc name: K 3258. 1	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 02030201	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 40.6770477
Longitude: -73.9329152	Sourcemap scale: 24000
Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 60.7
Vert measure units: feet	Vertacc measure val: 0.1
Vert accmeasure units: feet	
Vertcollection method: Level or other surveying method	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: Northern Atlantic Coastal Plain aquifer system	
Formation type: Glacial Aquifer, Upper	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported  
 Construction date: Not Reported  
 Welldepth units: ft  
 Wellholeddepth units: Not Reported  
 Welldepth: 70  
 Wellholeddepth: Not Reported

Ground-water levels, Number of Measurements: 6

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-09-23		12.54			
Note: Well was plugged and not in hydraulic contact with formation..					
1981-02-25		12.81	1980-12-30		14.66
1980-09-23		16.21	1980-06-20		15.29
1980-06-10		15.16			

**G25**  
**SSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS40000828292**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404037073560009		
Monloc name:	K 3300. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.6770477
Longitude:	-73.9329152	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	60.6
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholeddepth:	Not Reported
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**26**  
**North**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS40000829116**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404215073555501		
Monloc name:	K 894. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7042694
Longitude:	-73.9315263	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refs:	NAD83	Vert measure val:	30.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refs:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	282
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for KINGS County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for KINGS COUNTY, NY

Number of sites tested: 51

<u>Area</u>	<u>Average Activity</u>	<u>% &lt;4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% &gt;20 pCi/L</u>
Living Area	0.750 pCi/L	100%	0%	0%
Basement	1.370 pCi/L	88%	10%	2%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### New York Public Water Wells

Source: New York Department of Health

Telephone: 518-458-6731

## OTHER STATE DATABASE INFORMATION

#### Oil and Gas Well Database

Department of Environmental Conservation

Telephone: 518-402-8072

These files contain records, in the database, of wells that have been drilled.

### RADON

#### State Database: NY Radon

Source: Department of Health

Telephone: 518-402-7556

Radon Test Results

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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**APPENDIX 15.5**  
**SUPPORTING DOCUMENTATION**

## SITE MANAGER – PRE-SURVEY QUESTIONNAIRE

**Name of person completing questionnaire:** Lorne Norton

**Association with property:** Development Project Manager

**Length of association with property:** 3 months

**Date:** 11/3/17

**Phone Number:** 718-522-2613 x 113

**Project Site:** 811 Lexington Avenue

**Directions:** Please answer all questions to the best of your knowledge and in good faith. Mark the column corresponding to the appropriate response. Additional details necessary to explain any yes or unknown responses should be provided in the “Comments” column.

Note: *U/NR* indicates “*Unknown*” or “*No Response*”.

QUESTION		RESPONSE			COMMENTS
		Y	N	U/NR	
1A.	Is the property used for industrial purposes?		X		Most recently a fruit filling and fudge factory.
1B.	Are any adjoining properties used for industrial purposes?			X	
2A.	To the best of your knowledge, has the property been used for industrial purposes in the past?			X	Once a fruit filling and fudge factory. Unsure of prior uses.
2B.	To the best of your knowledge, has any of the adjoining properties been used for industrial purposes in the past?			X	
3A.	Is the property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?		X		Not currently.
3B.	Is any <b>adjoining property</b> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?			X	
4A.	To the best of your knowledge, has the property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?		X		
4B.	To the best of your knowledge, has any <b>adjoining property</b> been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?			X	

*U/NR: “Unknown” or “No Response*

QUESTION		RESPONSE			COMMENTS
		Y	N	U/NR	
5A.	Are there currently any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers greater than 5 gallons in volume or 50 gallons in the aggregate, stored on or used at the Property?			X	
5B.	To the best of your knowledge, have there been previously any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers greater than 5-gallons in volume or 50-gallons in the aggregate, stored on or used at the Property?			X	
6A.	Are there currently any industrial drums (typically 55 gallon) or sacks of chemicals located on the Property?			X	
6B.	To the best of your knowledge, have there been previously any industrial drums (typically 55 gallon) or sacks of chemicals located on the Property?			X	
7A.	Has fill dirt been brought onto the Property which originated from a contaminated site?			X	
7B.	Has fill dirt been brought onto the Property which is of an unknown origin?			X	
8A.	Are there currently any pits, ponds or lagoons located on the Property in connection with waste treatment or waste disposal?		X		
8B.	To the best of your knowledge, have there been previously any pits, ponds or lagoons located on the Property in connection with waste treatment or waste disposal?			X	
9.	Is there currently, any stained soil on the Property?			X	
10A.	Are there currently any registered or unregistered storage tanks (above or underground) located on the Property?			X	
10B.	To the best of your knowledge, have there been previously any registered or unregistered storage tanks (above or underground) located on the Property?			X	
11A.	Are there currently any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the Property or adjacent to any structure located on the Property?			X	
11B.	To the best of your knowledge, have there been previously any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the Property or adjacent to any structure located on the Property?			X	
12A.	Is there currently evidence of leaks, spills or staining by substances other than water, or foul odors associated with any flooring, drains, walls, ceilings, or exposed grounds on the Property?			X	

U/NR: "Unknown" or "No Response"

QUESTION		RESPONSE			COMMENTS
		Y	N	U/NR	
12B.	To the best of your knowledge, have there been previously any evidence of leaks, spills or staining by substances other than water, or foul odors associated with any flooring, drains, walls, ceilings, or exposed grounds on the Property			X	
13A.	If the Property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system?			X	
13B.	If the Property is served by a private well or non-public water system has the well been designated as contaminated by any government environmental/health agency?			X	
14A.	Have you been informed of the past existence of hazardous substances or petroleum products with respect to the Property or any facility located on the Property?		X		
14B.	Have you been informed of the current existence of hazardous substances or petroleum products with respect to the Property or any facility located on the Property?		X		
15.	Are there any environmental liens or governmental notification relating to past or current violations of environmental laws with respect to the Property or any facility located on the Property?			X	
16.	Have there been any environmental site assessments of the Property that indicated the presence of hazardous substances or petroleum products on, or contamination of, the Property or recommended further assessment of the Property?			X	
17.	Does the Property discharge waste water on or adjacent to the property, other than storm water, into a storm water sewer system?			X	
18.	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the Property?			X	
19.	Is there a transformer, capacitor or any hydraulic equipment for which there are any records indicating the presence of PCBs?			X	

U/NR: "Unknown" or "No Response"

<p>Summarize historical Property use (when was the Property developed with the current improvements, what modifications have taken place, what was the Property used for prior to it's current use):</p>	<p>817 Lexington Avenue, Brooklyn 11221  Block: 1622 / Lot: 51  Lot Area: 8,000 Square Feet (100' x 80')  Year Built: 1918  Primary Zoning: R6B  FAR: 1.38</p> <p>About Mars Fudge &amp; Fruit Company, Incorporated:  MARS FUDGE &amp; FRUIT CO., INC. is an entity registered at KINGS county with company number 85598. MARS FUDGE &amp; FRUIT CO., INC. located at the address 778 (and 811-817, presumably) Lexington Avenue Brooklyn, New York, 11221-2944. This corporate entity was filed approximately sixty-five years ago on Wednesday, December 10, 1952, according to public records filed with New York Department of State. The Chief Executive Officer is Marvin R. Kohl. The current status of the company is inactive - dissolution by proclamation / annulment of authority (6/25/2003).</p> <p>The 811-817 parcel was handed over to the Northeastern Conference Corporation of Seventh-Day Adventists on September 30<sup>th</sup> 1997. The Seventh-Day Adventists now own / operate 817 Lexington, 788 Lexington (across the street), and the parking lot to the west of 817 Lexington.</p>
--	--

U/NR: "Unknown" or "No Response"



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NYC Department of Buildings  
Property Profile Overview

811 LEXINGTON AVENUE		BROOKLYN 11221		BIN# 3044163	
LEXINGTON AVENUE	811 - 811	Health Area	: 2100	Tax Block	: 1622
		Census Tract	: 387	Tax Lot	: 51
		Community Board	: 303	Condo	: NO
		Buildings on Lot	: 1	Vacant	: NO

[View DCP Addresses...](#)    [Browse Block](#)

[View Zoning Documents](#)    [View Challenge Results](#)    [Pre - BIS PA](#)    [View Certificates of Occupancy](#)

Cross Street(s):	MALCOLM X BOULEVARD, PATCHEN AVENUE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		Special Status:	N/A
Local Law:	NO	Loft Law:	NO
SRO Restricted:	NO	TA Restricted:	NO
UB Restricted:	NO		
Environmental Restrictions:	N/A	Grandfathered Sign:	NO
Legal Adult Use:	NO	City Owned:	NO
Additional BINs for Building:	NONE		

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, Coastal Erosion Hazard Area, or Special Flood Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: F4-FACORY/INDSTRAL

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	<a href="#">Elevator Records</a>
Complaints	0	0	<a href="#">Electrical Applications</a>
<a href="#">Violations-DOB</a>	24	17	<a href="#">Permits In-Process / Issued</a>
<a href="#">Violations-ECB (DOB)</a>	2	0	<a href="#">Illuminated Signs Annual Permits</a>
Jobs/Filings	0		<a href="#">Plumbing Inspections</a>
ARA / LAA Jobs	0		<a href="#">Open Plumbing Jobs / Work Types</a>
Total Jobs	0		<a href="#">Facades</a>
<a href="#">Actions</a>	15		<a href="#">Marquee Annual Permits</a>
			<a href="#">Boiler Records</a>
OR Enter Action Type: <input type="text"/>			<a href="#">DEP Boiler Information</a>
OR Select from List: <input type="text" value="Select..."/>			<a href="#">Crane Information</a>
AND <input type="button" value="Show Actions"/>			<a href="#">After Hours Variance Permits</a>

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.


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NYC Department of Buildings  
Actions

Page: 1

Premises: 811 LEXINGTON AVENUE BROOKLYN

BIN: [3044163](#) Block: 1622 Lot: 51

NUMBER	TYPE	FILE DATE
ALT 1984/811-45	ALTERATION	06/22/1945
CA 6998-63	COMPUTE FLOOR LOAD	02/18/1963
EBN 980/14	ELEVATOR BUILDING NOTICE	05/21/2014
ELEV 8276-14	ELEVATOR	12/04/1914
ELEV 6097-14	ELEVATOR	12/24/1914
ELEV 11964-32	ELEVATOR	11/17/1932
ELEV 8729-32	ELEVATOR	11/10/1932
ES 2229-17	ELECTRIC SIGN	04/11/1917
ES 1393-17	ELECTRIC SIGN	04/16/1917
ES 11887-35	ELECTRIC SIGN	09/26/1935
ES 8221-35	ELECTRIC SIGN	10/03/1935
FO 3869/811-60	OIL BURNER APPLICATION	07/29/1960
P&D 1984-45	PLUMBING & DRAINAGE	06/22/1945
PRS 3596/811-60	PLUMBING REPAIR SLIP	06/20/1960
PRS 328/811-63	PLUMBING REPAIR SLIP	01/31/1963
V* 081685ELL1081SS05446	DOB VIOLATION - DISMISSED	00/00/1985
V* 093085ELL1081SS05446	DOB VIOLATION - CLOSED	00/00/1985
CLOSURE DATE: 09/28/2011		
V* 123085E14480204	DOB VIOLATION - DISMISSED	12/30/1985
DISMISSAL DATE: 09/08/1986		
V* 111486LL1081SS05289	DOB VIOLATION - DISMISSED	00/00/1986
DISMISSAL DATE: 09/05/1997	AGENCY LICENSE: LL1081	
V* 031187E144822	DOB VIOLATION - DISMISSED	03/11/1987
DISMISSAL DATE: 07/23/1987		
<a href="#">V* 011397LL108102732</a>	DOB VIOLATION - DISMISSED	01/13/1997
<a href="#">V 012099LL108102252</a>	DOB VIOLATION - ACTIVE	01/20/1999
<a href="#">V 031000LL108102392</a>	DOB VIOLATION - ACTIVE	03/10/2000
<a href="#">V 030801LL108102197</a>	DOB VIOLATION - ACTIVE	03/08/2001
<a href="#">V 021902LL108102534</a>	DOB VIOLATION - ACTIVE	02/19/2002

Next

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.



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NYC Department of Buildings  
**Mechanical Data Query**

Premises: 81 1 LEXINGTON AVENUE BROOKLYN Filed At: 813 LEXINGT ON AVE  
 BIN: [3044163](#) Block: 1622 Lot: 51 Device Number: 3F1334

Device Type:	FREIGHT ELEVATOR	Record:	70268	
Device Status:	REMOVED	Status Date:	09/08/2014	
Stat Comm:	EBN980/14	Approval:	09/02/2014	Alteration:

Floor From:	1	Travel Distance:		Car Entrances:	
Floor To:	2	Speed - F.P.M.:		Capacity - Lbs.:	4,000

	HOIST ROPES	CAR CNTWT ROPES	MACHN CNTWT ROPES	BACKDRUM ROPES	GOVERNOR ROPES
Quantity					
Size					
Kind					

Governor T ype:		Safety T ype:	
Machine T ype:	OVERHEAD DRUM	Mode Operation:	
Car Buffer T ype:		Fireman's Service:	No
Working Pressure:		Manufacturer:	

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NYC Department of Buildings  
Boiler Details

Premises: 811 LEXINGTON AVENUE BROOKLYN

BIN: [3044163](#) Block: 1622 Lot: 51

[DOB NOW: Inspections](#)

Boiler-No: 50435 Serial-No: 02 Type: COMMERCIAL HIGH PRESSURE  
 Boiler Status: ACTIVE Review Required:  
 Filed At: 811 LEXINGTON AVENUE BIN: [3044163](#) BBL: 3-01622-00051  
 Located in: 1 FL  
 Make of Boiler: Year: 1965  
 Over6: No No-of-Boilers: 02  
 Fee: Yes School: No

INSP-DATE	REC-DATE	ENTRY DATE	NAME	Int/Ext	RESULTS	NYS CERTIFICATE
03/22/2008			BRATHWAITE 1912(CR)		N/A	
10/13/2006			GAGLIARDI 1941 (TS)		NO ACCESS	
11/23/2004			GAGLIARDI 1941 (TC)		NO ACCESS LS4 POSTED	
12/15/1992			TRAVELERS INSURANCE		SANTO CONDORELLI 2323	

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.



[CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings  
Boiler Details

Premises: 811 LEXINGTON AVENUE BROOKLYN

BIN: [3044163](#) Block: 1622 Lot: 51

[DOB NOW: Inspections](#)

Boiler-No: 50435 Serial-No: 01 Type: COMMERCIAL HIGH PRESSURE  
 Boiler Status: ACTIVE Review Required:  
 Filed At: 811 LEXINGTON AVENUE BIN: [3044163](#) BBL: 3-01622-00051  
 Located in: 1ST FLOOR  
 Make of Boiler: Year:  
 Over6: No No-of-Boilers: 02  
 Fee: Yes School: No

INSP-DATE	REC-DATE	ENTRY DATE	NAME	Int/Ext	RESULTS	NYS CERTIFICATE
03/22/2008			BRATHWAITE 1912(CR)		N/A	
10/13/2006			GAGLIARDI 1941 (TS)		NO ACCESS	
11/23/2004			GAGLIARDI 1941.(TC)		NO ACCESS LS4 POSTED	
12/15/1992			TRAVELERS INSURANCE		SANTO CONDORELLI 2323	

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Department of Environmental Conservation

# Bulk Storage Database Search Details

## Facility Information

Site No.: 2-333344  
 Status: Active  
 Expiration Date: 11/26/2008  
 Site Type: PBS  
 Site Name: FIRST NIGERIAN SEVENTH-DAY ADVENTIST CHURCH  
 Address: 811 LEXINGTON AVENUE  
 Locality: BROOKLYN  
 State: NY  
 Zipcode: 11221  
 County: Kings

## Owner(s) Information

Facility Owner: FIRST NIGERIAN SDA CHURCH  
 778 LEXINGTON AVE . BROOKLYN, NY. 11221  
 Mail Contact: PASTOR RICHARD CALHOUN  
 FIRST NIGERIAN SDA CHURCH . BROOKLYN , NY. 11221

## Tank Information

1 Tanks Found

Tank No	Tank Location	Status	Capacity (Gal.)
001	Underground including vaulted with no access for inspection	In Service	1500

Refine This Search



Department of  
Environmental  
Conservation

## Bulk Storage Database Search Details

### Tank Information

Site No: 2-333344  
Site Name: FIRST NIGERIAN SEVENTH-DAY ADVENTIST CHURCH  
Tank No: 001  
Tank Location: Underground including vaulted with no access for inspection  
Tank Status: In Service  
Tank Install Date:  
Tank Closed Date:  
Tank Capacity: 1500 gal.  
Product Stored: #2 fuel oil (on-site consumption)  
Percentage: 100%  
Tank Type: 01 - Steel/Carbon Steel/Iron  
Tank Internal Protection : None  
Tank External Protection : None  
Tank Secondary Containment : None  
Tank Leak Detection : None  
Overfill : None  
Spill Prevention : None  
Dispenser : Suction Dispenser  
Pipe Location : Underground/On-ground  
Pipe Type: No Piping  
Pipe External Protection : None  
Piping Secondary Containment : None  
Piping Leak Detection : None  
Tank Next Test Due: \*  
Tank Last Test: 06/01/1995  
Tank Test Method: Horner EZ Check I or II

\* Information on when the next tank and/or line test is due is temporarily unavailable. The computer program is being updated to reflect the requirements of new Part 613. [Please see 613-2.3 and 613-3.3](#) for details on when tank and line tests are required.

Refine This Search

Return To Facility

**CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.**

**THIS INDENTURE**, made the 30<sup>th</sup> day of September, nineteen hundred and ninety-seven  
**BETWEEN**

Mars Fudge & Fruit Co., Inc.  
778 & 811 Lexington Avenue  
Brooklyn, New York 11221

party of the first part, and

Northeastern Conference Corporation of Seventh-Day Adventists  
115-50 Merrick Boulevard  
St. Albans, New York 11434

party of the second part,

**WITNESSETH**, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

**ALL** that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows: PARCEL I: 811-817 Lexington Avenue BEGINNING at a point on the northerly side of Lexington Avenue distant 100 feet westerly from the northwesterly corner of Lexington Avenue and Patchen Avenue;

RUNNING THENCE northerly parallel with Patchen Avenue, 80 feet;

THENCE westerly parallel with Lexington Avenue, 100 feet;

THENCE southerly parallel with Patchen Avenue, 80 feet to the northerly side of Lexington Avenue; and

THENCE easterly along the northerly side of Lexington Avenue, 100 feet to the point or place of BEGINNING.

PARCEL II: 778 Lexington Avenue

BEGINNING at a point on the southerly side of Lexington Avenue distant 100 feet westerly from the corner formed by the intersection of the southerly side of Lexington Avenue with the westerly side of Patchen Avenue;

RUNNING THENCE southerly parallel with Patchen Avenue, 100 feet;

THENCE westerly parallel with Lexington Avenue, 75 feet;

THENCE northerly parallel with Patchen Avenue, 100 feet to the southerly side of Lexington Avenue;

RUNNING THENCE easterly along the southerly side of Lexington Avenue, 75 feet to the point or place of BEGINNING

PARCEL III: (No #) Lexington Avenue (Vacant Land)

BEGINNING at a point on the northerly side of Lexington Avenue distant 200 feet westerly from the corner formed by the intersection of the northerly side of Lexington Avenue with the westerly side of Patchen Avenue;

RUNNING THENCE northerly parallel with Patchen Avenue, 100 feet;

THENCE westerly parallel with Lexington Avenue, 75 feet;

THENCE southerly again parallel with Patchen Avenue, 100 feet to the northerly side of Lexington Avenue; and

THENCE easterly along the northerly side of Lexington Avenue, 75 feet to the point or place of BEGINNING. Said premises also known as Block 1622 (See continuation page)

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

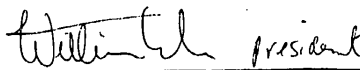
AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

**IN WITNESS WHEREOF**, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

  
WILLIAM USDAN, President

FILE # 061 PG 1961

STATE OF NEW YORK, COUNTY OF

On the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, before me personally came

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF

On the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, before me personally came

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

REEL 4061P61962

STATE OF NEW YORK, COUNTY OF *Westchester*

On the *30<sup>th</sup>* day of *September* 19*97*, before me personally came *William Udden* to me known, who, being by me duly sworn, did depose and say that he resides at No. *11 Adams Street, East Rockaway, New York* that he is the *President*

of *Man. Fudge Inv. Co. Inc.*, the corporation described in and which executed the foregoing instrument; ~~that he knows the seal of said corporation and that the seal affixed to said instrument is such corporate seal~~; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

STATE OF NEW YORK, COUNTY OF

On the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, before me personally came

the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides at No. \_\_\_\_\_

that he knows

\_\_\_\_\_ to be the individual described in and who executed the foregoing instrument; that he, said subscribing witness, was present and saw execute the same; and that he, said witness, at the same time subscribed his name as witness thereto.

*Burton S. Weston*

BURTON S. WESTON  
NOTARY PUBLIC, State of New York  
No. 4941763  
Qualified in Nassau County  
Commission Expires Aug. 23, 19*98*

**Bargain and Sale Deed**  
WITH COVENANT AGAINST GRANTOR'S ACTS

TITLE No. \_\_\_\_\_

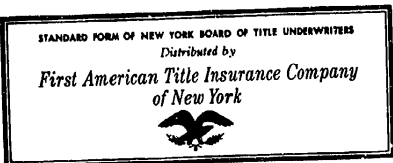
SECTION 6  
BLOCK 1622 and 1627  
LOT 51, 40 and 56  
COUNTY ~~NEW YORK~~ Kings

LOC. VER.  
BY ADDRESS *MA*

TO

Recorded At Request of  
First American Title Insurance Company of New York

RETURN BY MAIL TO:



MARK L. KOBIEMZ, ESQ  
ROLANO, FOGEL, KOBIEMZ & CARR, LLP  
1 COLUMBIA PL.  
ALBANY, N.Y. 12207  
Zip No. \_\_\_\_\_

RESERVE THIS SPACE FOR USE OF RECORDING OFFICE

10/1/97

**BETWEEN** Mars Fudge & Fruit Co., Inc. party of the first part, and Northeastern Conference Corporation of Seventh-Day Adventists, party of the second part.

(CONTINUATION PAGE)

Lot 56 on the Tax Map of the City of New York, County of Kings, as said map was on May 5, 1970.

**SAID PREMISES** are the same premises conveyed to grantor, Mars Fudge & Fruit Co., Inc., successor in interest by merger to Fruit Rich Corporation, by virtue of three (3) deeds recorded in the Office of the Registrar of Kings County:

Parcel I: Deed dated 3-3-1972 recorded 3-6-1972 in Reel 542 Page 868;  
Parcel II: Deed dated 8-28-1974 recorded 9-9-1974 in Reel 734 Page 301;  
Parcel III: Deed dated 6-16-1972 recorded 7-5-1972 in Reel 566 Page 1546.

REEL 4061 PG 1964 P.3  
**CITY REGISTER RECORDING AND ENDORSEMENT PAGE**  
 - KINGS **COUNTY** -  
 (This page forms part of the instrument)

Block(s)	1622	1627
Lot(s)	51056	40
778 and 811 Lexington Ave		

Record & Return to: MARK L ZOBLEN, ESQ  
COLMAN POOL BUILDING - CRR  
1 COLUMBIA PL, ALBANY NY 12207  
 Title/Agent Company name: Abstract Reports Ltd  
 Title Company number: ARL 2505-97

**OFFICE USE ONLY - DO NOT WRITE BELOW THIS LINE**

THE FOREGOING INSTRUMENT WAS ENDORSED FOR THE RECORD AS FOLLOWS:

Examined by (s): \_\_\_\_\_

Migo Tax Serial No. \_\_\_\_\_

Migo Amount ..... \$ \_\_\_\_\_

Taxable Amount ..... \$ \_\_\_\_\_

Exemption (✓) ..... YES  NO

Type: [39EE] [255] [OTHER \_\_\_\_\_]

Dwelling Type: [1 to 2] [3] [4 to 6] [OVER 6]

**TAX RECEIVED ON ABOVE MORTGAGE ▼**

County (basal) ..... \$ \_\_\_\_\_

City (Add'l) ..... \$ \_\_\_\_\_

Spec Add'l ..... \$ \_\_\_\_\_

TASF ..... \$ \_\_\_\_\_

MTA ..... \$ \_\_\_\_\_

NYCTA ..... \$ \_\_\_\_\_

**TOTAL TAX** ..... \$ \_\_\_\_\_

Apportionment Mortgage (✓) YES  NO

Joy A. Bobrow, City Register

City Register Serial Number → \_\_\_\_\_

Indexed By (s): \_\_\_\_\_

Verified By (s): \_\_\_\_\_

Block(s) and Lot(s) verified by (✓): \_\_\_\_\_

Address .....  Tax Map .....

Extra Block(s) \_\_\_\_\_ Lot(s) \_\_\_\_\_

Recording Fee ..... \$ A42

Alidavit Fee ..... (C) \$ 0

TP-584/582 Fee ..... (Y) \$ 0

RPTT Fee ..... (H) \$ 25

HPD-A .....  HPD-C .....

New York State Real Estate Transfer Tax ▼  
 \$ 1640

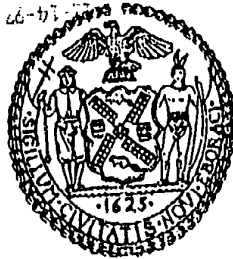
Serial Number → 000054

New York City Real Property Transfer Tax  
 Serial Number → 19130

New York State Gains Tax  
 Serial Number → \_\_\_\_\_

243164 \$42.00

BRK  
 PAID  
 DEED



RECORDED IN KINGS COUNTY  
 OFFICE OF THE CITY REGISTER

97 Nov 14 A 11:44

Witness My Hand and Official Seal

*Joy A. Bobrow*

CRGF489C.BPG 1/87



**CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.**

**THIS INDENTURE**, made the 30<sup>th</sup> day of September, nineteen hundred and ninety-seven  
**BETWEEN**

Mars Fudge & Fruit Co., Inc.  
778 & 811 Lexington Avenue  
Brooklyn, New York 11221

party of the first part, and

Northeastern Conference Corporation of Seventh-Day Adventists  
115-50 Merrick Boulevard  
St. Albans, New York 11434

party of the second part,

**WITNESSETH**, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

**ALL** that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows: PARCEL I: 811-817 Lexington Avenue BEGINNING at a point on the northerly side of Lexington Avenue distant 100 feet westerly from the northwesterly corner of Lexington Avenue and Patchen Avenue;

RUNNING THENCE northerly parallel with Patchen Avenue, 80 feet;

THENCE westerly parallel with Lexington Avenue, 100 feet;

THENCE southerly parallel with Patchen Avenue, 80 feet to the northerly side of Lexington Avenue; and

THENCE easterly along the northerly side of Lexington Avenue, 100 feet to the point or place of BEGINNING.

PARCEL II: 778 Lexington Avenue

BEGINNING at a point on the southerly side of Lexington Avenue distant 100 feet westerly from the corner formed by the intersection of the southerly side of Lexington Avenue with the westerly side of Patchen Avenue;

RUNNING THENCE southerly parallel with Patchen Avenue, 100 feet;

THENCE westerly parallel with Lexington Avenue, 75 feet;

THENCE northerly parallel with Patchen Avenue, 100 feet to the southerly side of Lexington Avenue;

RUNNING THENCE easterly along the southerly side of Lexington Avenue, 75 feet to the point or place of BEGINNING

PARCEL III: (No #) Lexington Avenue (Vacant Land)

BEGINNING at a point on the northerly side of Lexington Avenue distant 200 feet westerly from the corner formed by the intersection of the northerly side of Lexington Avenue with the westerly side of Patchen Avenue;

RUNNING THENCE northerly parallel with Patchen Avenue, 100 feet;

THENCE westerly parallel with Lexington Avenue, 75 feet;

THENCE southerly again parallel with Patchen Avenue, 100 feet to the northerly side of Lexington Avenue; and

THENCE easterly along the northerly side of Lexington Avenue, 75 feet to the point or place of BEGINNING. Said premises also known as Block 1622 (See continuation page)

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

**IN WITNESS WHEREOF**, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

*William Usdan, President*  
WILLIAM USDAN, President

FILE # 061 PG 1961

STATE OF NEW YORK, COUNTY OF

On the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, before me personally came

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF

On the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, before me personally came

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

REEL 4061 PG 1962

STATE OF NEW YORK, COUNTY OF *Westchester*

On the *30<sup>th</sup>* day of *September* 19*97*, before me personally came *William Udden* to me known, who, being by me duly sworn, did depose and say that he resides at No. *11 Adams Street, East Rockaway, New York* that he is the *President*

of *Man. Fudge Tr. & Co. Inc.*, the corporation described in and which executed the foregoing instrument; ~~that he knows the seal of said corporation and that the seal affixed to said instrument is such corporate seal~~; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

STATE OF NEW YORK, COUNTY OF

On the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, before me personally came

the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides at No. \_\_\_\_\_

that he knows

\_\_\_\_\_ to be the individual described in and who executed the foregoing instrument; that he, said subscribing witness, was present and saw execute the same; and that he, said witness, at the same time subscribed his name as witness thereto.

*Burton S. Weston*

BURTON S. WESTON  
NOTARY PUBLIC, State of New York  
No. 4941763  
Qualified in Nassau County  
Commission Expires Aug. 23, 19*98*

**Bargain and Sale Deed**  
WITH COVENANT AGAINST GRANTOR'S ACTS

TITLE No. \_\_\_\_\_

TO

SECTION 6  
BLOCK 1622 and 1627  
LOT 51, 40 and 56  
COUNTY ~~NEW YORK~~ Kings

LOC. VER.  
BY ADDRESS *MA*

Recorded At Request of  
First American Title Insurance Company of New York

RETURN BY MAIL TO:



MARK L. KOBIEMZ, ESQ  
ROLANO, FOGEL, KOBIEMZ & CARR, LLP  
1 COLUMBIA PL.  
ALBANY, N.Y. 12207  
Zip No. \_\_\_\_\_

RESERVE THIS SPACE FOR USE OF RECORDING OFFICE

10/11/97

**BETWEEN** Mars Fudge & Fruit Co., Inc. party of the first part, and Northeastern Conference Corporation of Seventh-Day Adventists, party of the second part.

(CONTINUATION PAGE)

Lot 56 on the Tax Map of the City of New York, County of Kings, as said map was on May 5, 1970.

**SAID PREMISES** are the same premises conveyed to grantor, Mars Fudge & Fruit Co., Inc., successor in interest by merger to Fruit Rich Corporation, by virtue of three (3) deeds recorded in the Office of the Registrar of Kings County:

Parcel I: Deed dated 3-3-1972 recorded 3-6-1972 in Reel 542 Page 868;  
Parcel II: Deed dated 8-28-1974 recorded 9-9-1974 in Reel 734 Page 301;  
Parcel III: Deed dated 6-16-1972 recorded 7-5-1972 in Reel 566 Page 1546.

REEL 4061 PG 1964 P.3  
**CITY REGISTER RECORDING AND ENDORSEMENT PAGE**  
 - KINGS COUNTY -  
 (This page forms part of the instrument)

Block(s)	1622	1627
Lot(s)	51056	40
778 and 811 Lexington Ave		

Record & Return to: MARK L ZOBLEN, ESQ  
COLMAN POOL BUILDING - CORP  
1 COLUMBIA PL, ALBANY NY 12207  
 Title/Agent Company name: Abstract Reports Ltd  
 Title Company number: ARL 2505-97

**OFFICE USE ONLY - DO NOT WRITE BELOW THIS LINE**

THE FOREGOING INSTRUMENT WAS ENDORSED FOR THE RECORD AS FOLLOWS:

Examined by (s): \_\_\_\_\_

Migo Tax Serial No. \_\_\_\_\_  
 Migo Amount \$ \_\_\_\_\_  
 Taxable Amount \$ \_\_\_\_\_

Exemption (✓) YES  NO

Type: [39EE] [255] [OTHER \_\_\_\_\_]

Dwelling Type: [1 to 2] [3] [4 to 6] [OVER 6]

**TAX RECEIVED ON ABOVE MORTGAGE ▼**

County (basal) \$ \_\_\_\_\_  
 City (Add'l) \$ \_\_\_\_\_  
 Spec Add'l \$ \_\_\_\_\_  
 TASF \$ \_\_\_\_\_  
 MTA \$ \_\_\_\_\_  
 NYCTA \$ \_\_\_\_\_  
**TOTAL TAX** \$ \_\_\_\_\_

Apportionment Mortgage (✓) YES  NO

Joy A. Bobrow, City Register

City Register Serial Number → \_\_\_\_\_

Indexed By (s): \_\_\_\_\_

Verified By (s): \_\_\_\_\_

Block(s) and Lot(s) verified by (✓):  
 Address:  778 Tax Map   
 Extra Block(s) \_\_\_\_\_ Lot(s) \_\_\_\_\_

Recording Fee \$ A42  
 Affidavit Fee (C) \$ 0  
 TP-584/582 Fee (Y) \$ 0  
 RPTT Fee (H) \$ 25

HPD-A  HPD-C

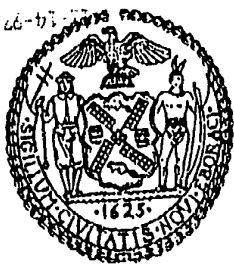
New York State Real Estate Transfer Tax  
 \$ 1640

Serial Number → 000054

New York City Real Property Transfer Tax  
 Serial Number → 19130

New York State Gains Tax  
 Serial Number → \_\_\_\_\_

243164 \$42.00  
 NEED  
 BKD  
 PAID



RECORDED IN KINGS COUNTY  
 OFFICE OF THE CITY REGISTER  
97 Nov 14 A 11:44  
 Witness My Hand and Official Seal  
Joy A. Bobrow

CRGF489C.BPG 1/87

Menu



FOIL Request Main Page (SupportHome.aspx)

I want to... ▾

**Reference No:** W029183-111017**Contact E-Mail:** sanchita.bm@alcenvironmental.com

Dear Sanchita:

Thank you for your Freedom of Information Law (FOIL) request. Your request has been received and is being processed. Your request was received in this office on 11/10/2017 and given the reference number FOIL #**W029183-111017** for tracking purposes. You may expect the Department's response to your request no later than **12/12/2017**.

Record Requested: **811-817 Lexington Avenue, Brooklyn, NY 11221 Block 1622 Lots 51 and 56 Requesting files/records pertaining to site remediation, tank (AST/UST) installation/removal information, spill records, hazardous material storage for the above-mentioned property.**

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed. Again, thank you for using the FOIL Center.

[https://mycusthelp.com/NEWYORKDEC/\\_rs/RequestLogin.aspx](https://mycusthelp.com/NEWYORKDEC/_rs/RequestLogin.aspx) ([https://mycusthelp.com/NEWYORKDEC/\\_rs/RequestLogin.aspx](https://mycusthelp.com/NEWYORKDEC/_rs/RequestLogin.aspx))

New York State Department of Environmental Conservation, Record Access Office





FIRE DEPARTMENT – CITY OF NEW YORK  
 Public Records Unit / Tanks Section  
 9 MetroTech Center  
 Brooklyn, New York 11201-3857  
 (718) 999-2441 or 2442



## Fuel Tank Special Report Request Form

**SECTION A**

**CUSTOMER INFORMATION**

Please print the required information below.

Sanchita Basu Mallick  
 Name  
ALC Env 121 West 27th Street Suit 402  
 Address  
NY 10001  
 State Zip Code  
212-675-5544  
 Telephone Number

**OFFICE USE ONLY**

\_\_\_\_\_  
 Cashier / Search No.  
 PRU Staff  
 Accepted By/Initials: \_\_\_\_\_  
 Searched By: \_\_\_\_\_  
 Total Amount: \_\_\_\_\_

**Note:** Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the **NYC Fire Department** and a stamped self-addressed envelope (with postage). Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH.**

**SECTION B**

**FUEL TANK REPORT - FEE \$10.00 / PER REPORT**

**Block: 1622**

811-817 Lexington Avenue Lots 51 and 56 Brooklyn  
 House Number Street Name Borough

- THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- MOST RECENT TANK / PIPING TEST RESULTS
- HISTORY OF BURIED TANKS LEAKS

**Note:** Requests will be responded to within 10 business days.

PR3 (July-08)

**811-817 Lexington Avenue**

811 Lexington Avenue

Brooklyn, NY 11221

Inquiry Number: 5090931.2s

November 12, 2017

## EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

# TABLE OF CONTENTS

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***Thank you for your business.***  
 Please contact EDR at 1-800-352-0050  
 with any questions or comments.

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

<b>STANDARD ENVIRONMENTAL RECORDS</b>	<b>Default Area of Concern (Miles)*</b>	<b>property</b>		
		<b>1/10</b>	<b>&gt; 1/10</b>	
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	1	2
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
State- and tribal - equivalent NPL	not searched	-	-	-
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	1	5
State and tribal registered storage tank lists	0.5	1	0	2
State and tribal institutional control / engineering control registries	0.5	0	0	0
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	1	5

### ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	property	0	-	-
Records of Emergency Release Reports	0.125	0	0	6
Other Ascertainable Records	1.0	0	1	2
EDR Exclusive Records	1.0	0	1	5
Exclusive Recovered Govt. Archives	property	0	-	-

\*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

# EXECUTIVE SUMMARY

## TARGET PROPERTY INFORMATION

### ADDRESS

811-817 LEXINGTON AVENUE  
811 LEXINGTON AVENUE  
BROOKLYN, NY 11221

### COORDINATES

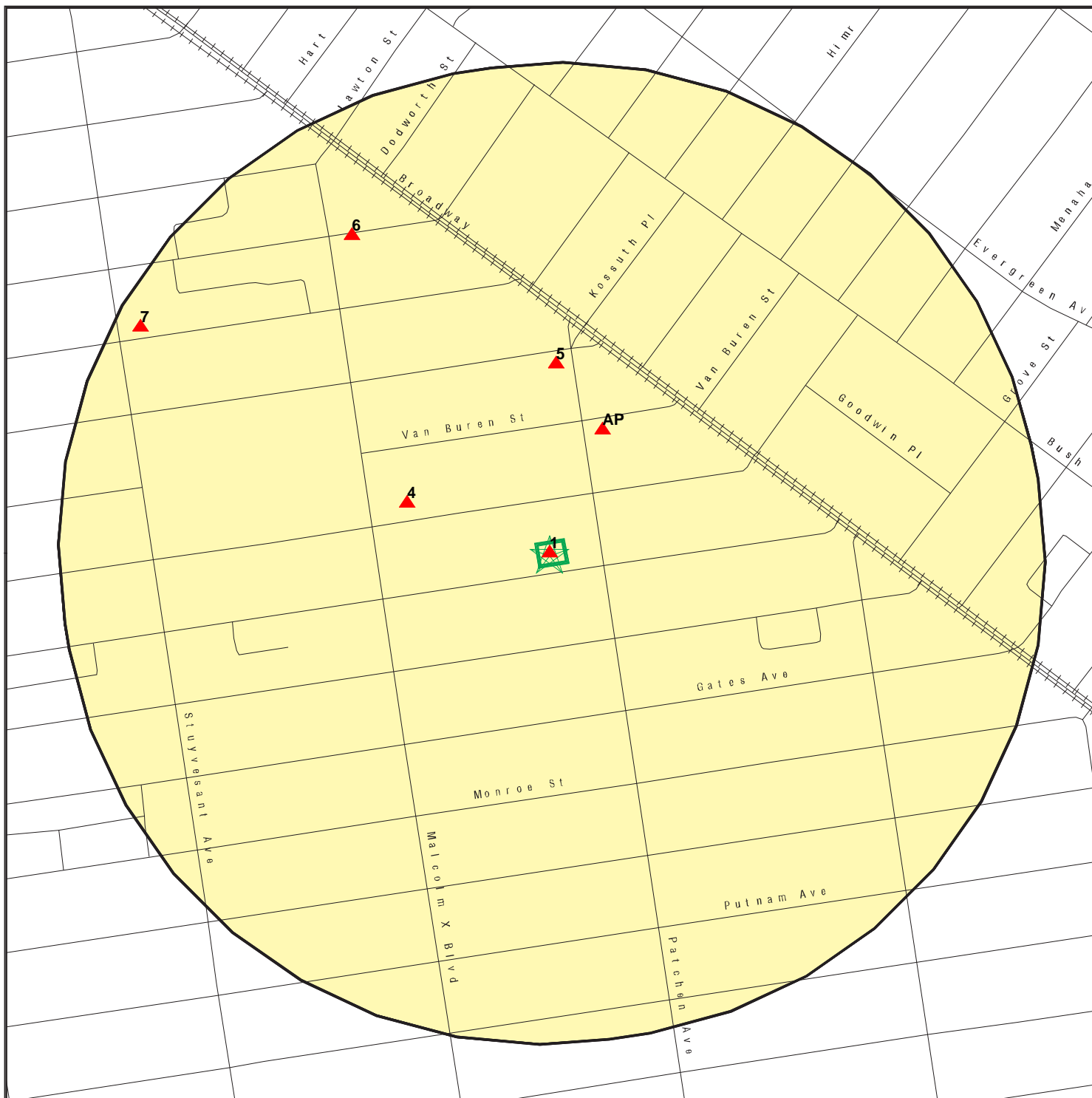
Latitude (North): 40.69049 - 40° 41' 25.766602"  
Longitude (West): 73.928275 - 73° 55' 41.793823"  
Elevation: 52 ft. above sea level








## SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
FIRST NIGERIAN SEVENTH-DAY ADVENTIST CHURCH UST	811 LEXINGTON AVENUE	Property	▲ 1	6
RODRIGUEZ DRY CLEANERS US AIRS (AFS) RCRA-SQG US AIRS (AFS) RCRA-SQG NY MANIFEST BROWNFIELDS DRYCLEANERS RI MANIFEST	19 PATCHEN AVE	<1/10 NNE	▲ AP2	8
LAZARDOS CLEANERS EDR Hist Cleaner	19 PATCHEN AVE	<1/10 NNE	▲ AP3	19
931 GREENE AVE LTANKS	931 GREENE AVE	<1/10 WNW	▲ 4	19
PATCHEN SERVICE STATION INC EDR Hist Auto	1096 LAFAYETTE AVE	1/10 - 1/3 N	▲ 5	21
FORMER GETTY SERVICE STATION NO. 00564 SPILLS BROWNFIELDS	1103-1107 DEKALB AVENUE	1/10 - 1/3 NNW	▲ 6	21
APARTMENT BLDG SPILLS LTANKS	531 KOSCIUSKO STREET	1/10 - 1/3 WNW	▲ 7	37

# PRIMARY MAP - 5090931.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

0 300 1/3 Miles

 Indian Reservations BIA

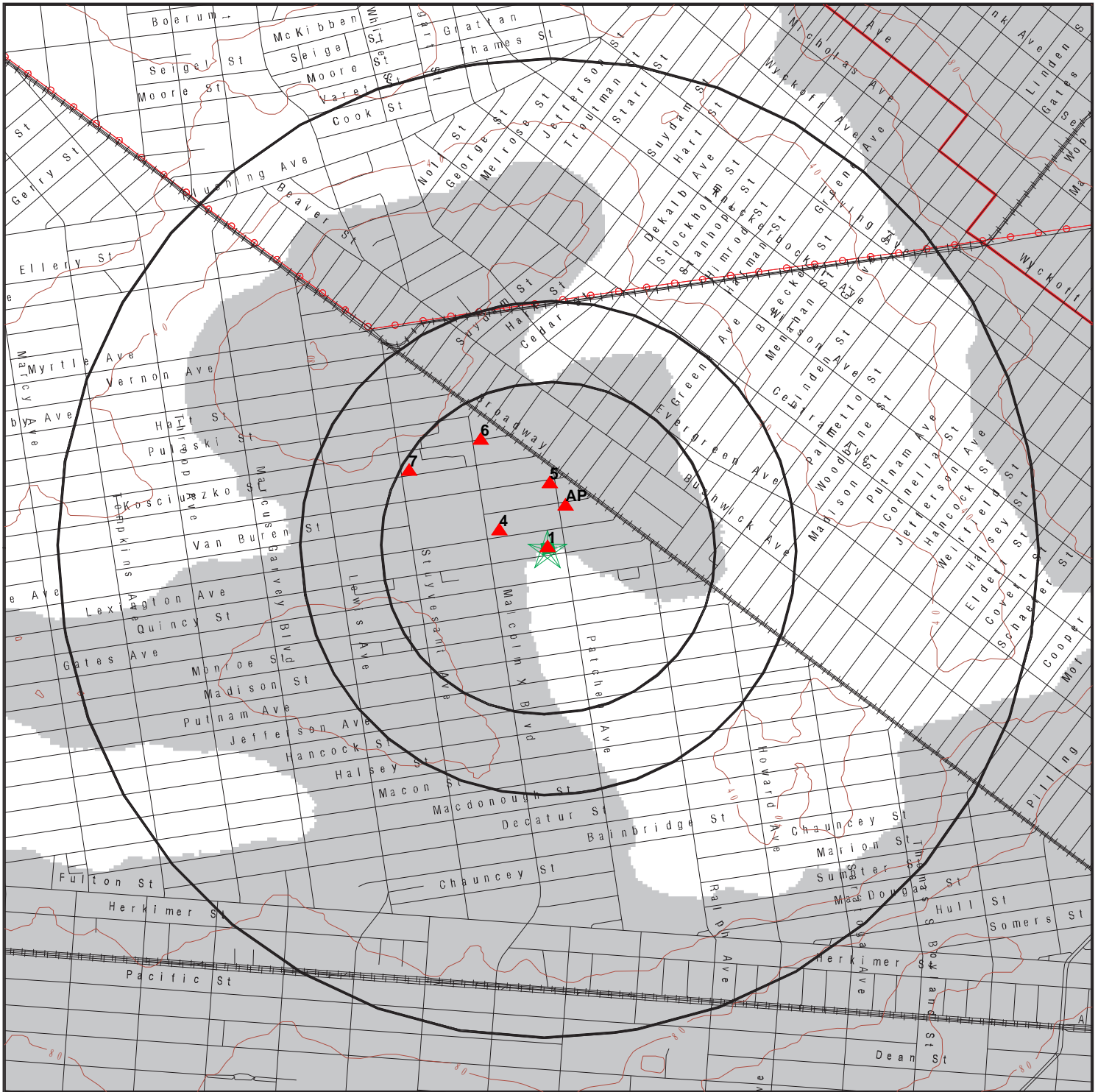


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 811-817 Lexington Avenue  
 ADDRESS: 811 Lexington Avenue  
 Brooklyn NY 11221  
 LAT/LONG: 40.69049 / 73.928275

CLIENT: The ALC Group, LLC T/A ALC  
 CONTACT: Tania Castro  
 INQUIRY #: 5090931.2s  
 DATE: October 30, 2017 1:03 pm

# SECONDARY MAP - 5090931.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

Upgradient Area



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 811-817 Lexington Avenue  
 ADDRESS: 811 Lexington Avenue  
 Brooklyn NY 11221  
 LAT/LONG: 40.69049 / 73.928275

CLIENT: The ALC Group, LLC T/A ALC  
 CONTACT: Tania Castro  
 INQUIRY #: 5090931.2S  
 DATE: October 30, 2017 1:02 pm

MAP FINDINGS

LEGEND

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP		EDR SITE ID NUMBER
◆ MAP ID#	Direction Distance Range (Distance feet / miles)	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
	Relative Elevation Feet Above Sea Level	
<b>Worksheet:</b>		
<b>Comments:</b> Comments may be added on the online Vapor Encroachment Worksheet.		

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

FIRST NIGERIAN SEVENTH-DAY ADVENTIST CHURCH 811 LEXINGTON AVENUE, BROOKLYN, NY, 11221		U001837155
▲ 1	Target Property	State and tribal registered storage tank lists
	52 ft. Above Sea Level	

**Worksheet:**

**Impact on Target Property:** VEC Exists

**Comments:** The Subject Property is listed in the NY UST database in regards to an active 1,500-gallon No. 2 fuel oil tank. As per the database, the tank is permitted under the NYSDEC PBS No. 2-333344, however the tank registration certificate expired on November 26, 2008. According to the database, the referenced tank system was tested for tightness on June 1, 1995. Based on the information obtained from the NYSDEC online Bulk Storage Database, the 1,500-gallon tank is located underground, in a vault with no access for inspections. During the November 2017 site visit, no tanks, fill ports or vent pipes associated with the tanks were identified at the visually-accessible areas of the Subject Property. However, fuel oil was historically utilized at the Subject Property as a source of heat as evidenced by a fuel oil burner application dated 1960, which was on-file with the NYC Department of Buildings. No information regarding the former usage or storage of fuel oil was provided by property management/ownership and the exact location of the fuel oil UST is unknown. As such the status of the fuel oil tank is unknown. Therefore, the 1,500-gallon No. 2 fuel oil tank constitute a REC.

**UST: State and tribal registered storage tank lists**

Id/Status: 2-333344 / Active  
 Program Type: PBS  
 Region: STATE  
 DEC Region: 2  
 Expiration Date: 11/26/2008  
 UTM X: 590588.81081  
 UTM Y: 4504892.36159  
 Site Type: Other

**Affiliation Records:**

Site Id: 15812  
 Affiliation Type: Facility Owner  
 Company Name: FIRST NIGERIAN SDA CHURCH  
 Contact Type: Not Reported  
 Contact Name: Not Reported  
 Address1: 778 LEXINGTON AVE

APPENDIX

1081 LAFAYETTE AVE 1081 LAFAYETTE AVE, BROOKLYN, NY,			S102662704
	NNW <1/10 - 1/3 mile	(760 ft. / 0.144 mi.)	State and tribal leaking storage tank lists
	4 ft. Higher Elevation	56 ft. Above Sea Level	
<p><b>Worksheet:</b></p> <p>Impact on Target Property: VEC does not exist</p> <p><b>Comments:</b></p> <p>The distance between the source and the target property is greater than the critical distance plus a factor to account for plume width.</p>			

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
<b>ENVIRONMENTAL RECORDS</b>						
<i><b>Federal NPL site list</b></i>						
US	NPL	National Priority List	EPA	05/30/2017	06/08/2017	09/15/2017
US	Proposed NPL	Proposed National Priority List Sites	EPA	05/30/2017	06/09/2017	09/15/2017
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
<i><b>Federal CERCLIS list</b></i>						
US	SEMS	Superfund Enterprise Management System	EPA	07/11/2017	07/21/2017	10/06/2017
<i><b>Federal RCRA CORRACTS facilities list</b></i>						
US	CORRACTS	Corrective Action Report	EPA	09/13/2017	09/26/2017	10/06/2017
<i><b>Federal RCRA TSD facilities list</b></i>						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	09/13/2017	09/26/2017	10/06/2017
<i><b>Federal RCRA generators list</b></i>						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	09/13/2017	09/26/2017	10/06/2017
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	09/13/2017	09/26/2017	10/06/2017
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	09/13/2017	09/26/2017	10/06/2017
<i><b>Federal institutional controls / engineering controls registries</b></i>						
US	LUCIS	Land Use Control Information System	Department of the Navy	05/22/2017	06/13/2017	09/15/2017
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	08/10/2017	08/30/2017	10/13/2017
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	08/10/2017	08/30/2017	10/13/2017
<i><b>Federal ERNS list</b></i>						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/18/2017	09/21/2017	10/13/2017
<i><b>State and tribal - equivalent CERCLIS</b></i>						
NY	SHWS	Inactive Hazardous Waste Disposal Sites in New York State	Department of Environmental Conservation	08/15/2017	08/17/2017	10/24/2017
NY	VAPOR REOPENED	Vapor Intrusion Legacy Site List	Department of Environmental Conservation	05/01/2017	05/18/2017	09/22/2017
<i><b>State and tribal landfill / solid waste disposal</b></i>						
NY	SWF/LF	Facility Register	Department of Environmental Conservation	06/30/2017	07/06/2017	09/22/2017
<i><b>State and tribal leaking storage tank lists</b></i>						
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/26/2017	07/27/2017	10/13/2017
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/13/2017	07/27/2017	10/13/2017
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/07/2016	01/26/2017	05/05/2017
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	05/01/2017	07/27/2017	10/13/2017
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2017	07/27/2017	10/06/2017
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/24/2017	07/27/2017	10/06/2017
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2016	01/27/2017	05/05/2017
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/14/2017	07/27/2017	10/06/2017
NY	LTANKS	Spills Information Database	Department of Environmental Conservation	08/15/2017	08/17/2017	10/24/2017

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NY	HIST LTANKS	Listing of Leaking Storage Tanks	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
<b>State and tribal registered storage tank lists</b>						
NY	TANKS	Storage Tank Facility Listing	Department of Environmental Conservation	09/21/2017	09/21/2017	09/22/2017
NY	UST	Petroleum Bulk Storage (PBS) Database	Department of Environmental Conservation	09/21/2017	09/21/2017	09/22/2017
NY	CBS UST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	MOSF UST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	AST	Petroleum Bulk Storage	Department of Environmental Conservation	09/21/2017	09/21/2017	09/22/2017
NY	CBS AST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	MOSF AST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	CBS	Chemical Bulk Storage Site Listing	Department of Environmental Conservation	09/21/2017	09/21/2017	09/22/2017
NY	MOSF	Major Oil Storage Facility Site Listing	Department of Environmental Conservation	09/21/2017	09/21/2017	09/22/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/14/2017	07/27/2017	10/06/2017
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2016	01/27/2017	05/05/2017
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/25/2017	07/27/2017	10/13/2017
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/13/2017	07/27/2017	10/13/2017
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	05/01/2017	07/27/2017	10/13/2017
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	05/02/2017	07/27/2017	10/06/2017
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/01/2016	01/26/2017	05/05/2017
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/26/2017	07/27/2017	10/06/2017
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017
<b>State and tribal institutional control / engineering control registries</b>						
NY	RES DECL	Restrictive Declarations Listing	NYC Department of City Planning	11/18/2010	06/30/2014	07/21/2014
NY	ENV RES DECL	Environmental Restrictive Declarations	New York City Department of City Planning	06/27/2017	09/21/2017	09/22/2017
NY	ENG CONTROLS	Registry of Engineering Controls	Department of Environmental Conservation	08/15/2017	08/17/2017	10/24/2017
NY	INST CONTROL	Registry of Institutional Controls	Department of Environmental Conservation	08/15/2017	08/17/2017	10/24/2017
<b>State and tribal voluntary cleanup sites</b>						
US	INDIAN VCP R7	Voluntary Cleanup Priority Listing	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
NY	VCP	Voluntary Cleanup Agreements	Department of Environmental Conservation	08/15/2017	08/17/2017	10/24/2017
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
NY	VCP NYC	Voluntary Cleanup Program Listing NYC	New York City Office of Environmental Protect	12/19/2016	12/20/2016	05/12/2017
<b>State and tribal Brownfields sites</b>						
NY	BROWNFIELDS	Brownfields Site List	Department of Environmental Conservation	08/15/2017	08/17/2017	10/24/2017
NY	ERP	Environmental Restoration Program Listing	Department of Environmental Conservation	08/15/2017	08/17/2017	10/24/2017
<b>Other Records</b>						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2017	08/03/2017	10/20/2017
US	ROD	Records Of Decision	EPA	09/27/2017	10/12/2017	10/20/2017
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	07/11/2017	07/26/2017	10/13/2017
NY	DEL SHWS	Delisted Registry Sites	Department of Environmental Conservation	08/15/2017	08/17/2017	09/22/2017
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
NY	SWTIRE	Registered Waste Tire Storage & Facility List	Department of Environmental Conservation	06/14/2017	06/16/2017	09/22/2017
NY	SWRCY	Registered Recycling Facility List	Department of Environmental Conservation	06/30/2017	07/06/2017	09/22/2017
NY	HIST UST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NY	HIST AST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	05/30/2017	06/09/2017	09/15/2017
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	04/22/2013	03/03/2015	03/09/2015
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	07/13/2017	09/06/2017	10/06/2017
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	05/10/2017	05/17/2017	09/15/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	02/01/2011	10/19/2011	01/10/2012
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	Delisted NPL	National Priority List Deletions	EPA	05/30/2017	06/09/2017	09/15/2017
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	07/11/2017	07/28/2017	10/06/2017
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	09/13/2017	09/26/2017	10/06/2017
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/21/2017	09/21/2017	10/13/2017
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	07/13/2017	09/06/2017	10/06/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/19/2017	06/20/2017	09/15/2017
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	09/14/2010	10/07/2011	03/01/2012
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	07/31/2017	08/30/2017	10/13/2017
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2014	11/24/2015	04/05/2016
US	TSCA	Toxic Substances Control Act	EPA	12/31/2012	01/15/2015	01/29/2015
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	06/01/2017	06/09/2017	10/13/2017
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	RADINFO	Radiation Information Database	Environmental Protection Agency	10/02/2017	10/05/2017	10/13/2017
US	FINDS	Facility Index System/Facility Registry System	EPA	07/23/2017	09/06/2017	09/15/2017
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	02/01/2017	02/09/2017	04/07/2017
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
NY	AIRS	Air Emissions Data	Department of Environmental Conservation	11/09/2016	11/18/2016	01/04/2017
NY	COAL ASH	Coal Ash Disposal Site Listing	Department of Environmental Conservation	09/25/2017	09/26/2017	10/12/2017
NY	DRYCLEANERS	Registered Drycleaners	Department of Environmental Conservation	10/27/2016	01/10/2017	02/10/2017
NY	E DESIGNATION	E DESIGNATION SITE LISTING	New York City Department of City Planning	08/22/2017	09/21/2017	09/22/2017
NY	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Conservation	09/07/2017	10/02/2017	10/12/2017
NY	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental Conservation	03/09/2017	04/12/2017	10/13/2017
NY	HIST SPILLS	SPILLS Database	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
NY	HSWDS	Hazardous Substance Waste Disposal Site Inventory	Department of Environmental Conservation	01/01/2003	10/20/2006	11/30/2006
NY	LIENS	Spill Liens Information	Office of the State Comptroller	08/07/2017	08/08/2017	09/22/2017
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	07/31/2017	08/03/2017	10/12/2017
NY	SPDES	State Pollutant Discharge Elimination System	Department of Environmental Conservation	07/24/2017	08/08/2017	10/13/2017
NY	SPILLS	Spills Information Database	Department of Environmental Conservation	08/15/2017	08/17/2017	10/24/2017
NY	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	11/02/2010	01/03/2013	03/07/2013
NY	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/14/2012	01/03/2013	02/12/2013
NY	UIC	Underground Injection Control Wells	Department of Environmental Conservation	09/05/2017	09/08/2017	10/13/2017
US	UXO	Unexploded Ordnance Sites	Department of Defense	10/25/2016	06/02/2017	10/13/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Services, Indian	04/01/2014	08/06/2014	01/29/2015
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	06/02/2016	06/03/2016	09/02/2016
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/25/2017	09/26/2017	10/20/2017
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	09/02/2017	09/06/2017	10/20/2017
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/17/2017	08/17/2017	09/15/2017
<b>HISTORICAL USE RECORDS</b>						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historic Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historic Cleaners	EDR, Inc.			
NY	RGA HWS	Recovered Government Archive State Hazardous Waste Facilities	Department of Environmental Conservation		07/01/2013	12/30/2013
NY	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Conservation		07/01/2013	01/10/2014
<b>COUNTY RECORDS</b>						
NY	AST - CORTLAND	Cortland County Storage Tank Listing	Cortland County Health Department	06/26/2017	08/18/2017	09/22/2017
NY	UST - CORTLAND	Cortland County Storage Tank Listing	Cortland County Health Department	06/26/2017	08/18/2017	09/22/2017
NY	AST - NASSAU	Registered Tank Database	Nassau County Health Department	01/09/2017	01/11/2017	02/15/2017
NY	AST NCFM	Storage Tank Database	Nassau County Office of the Fire Marshal	02/15/2011	02/23/2011	03/29/2011
NY	TANKS NASSAU	Registered Tank Database in Nassau County	Nassau County Department of Health	01/09/2017	01/11/2017	02/15/2017
NY	UST - NASSAU	Registered Tank Database	Nassau County Health Department	01/09/2017	01/11/2017	02/15/2017
NY	UST NCFM	Storage Tank Database	Nassau County Office of the Fire Marshal	02/15/2011	02/23/2011	03/29/2011
NY	AST - ROCKLAND	Petroleum Bulk Storage Database	Rockland County Health Department	02/02/2017	03/17/2017	09/22/2017
NY	UST - ROCKLAND	Petroleum Bulk Storage Database	Rockland County Health Department	02/02/2017	03/17/2017	09/22/2017
NY	AST - SUFFOLK	Storage Tank Database	Suffolk County Department of Health Services	03/03/2015	03/10/2015	03/23/2015
NY	UST - SUFFOLK	Storage Tank Database	Suffolk County Department of Health Services	03/03/2015	03/10/2015	03/23/2015
NY	AST - WESTCHESTER	Listing of Storage Tanks	Westchester County Department of Health	07/03/2017	08/15/2017	09/22/2017
NY	UST - WESTCHESTER	Listing of Storage Tanks	Westchester County Department of Health	07/03/2017	08/15/2017	09/22/2017

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
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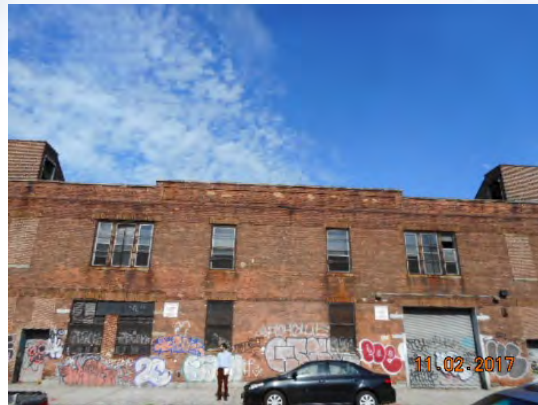
### STREET AND ADDRESS INFORMATION

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Identify

Evaluate

**PHASE II ENVIRONMENTAL  
SITE INVESTIGATION**



**811-817 Lexington Avenue  
Brooklyn, NY 11221  
Block 1622; Lots 51 & 56**

Prepared by:

**ALC Environmental  
121 West 27<sup>th</sup> Street, Suite 402  
New York, NY 10001**

Prepared for:

**IMPACCT Brooklyn  
1224 Bedford Avenue  
Brooklyn, NY 11216**

**January 23, 2018**

Solve

Execute

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### APPENDIX - A

Boring Logs

### APPENDIX - B

Laboratory Analytical Reports

## 1.0 EXECUTIVE SUMMARY

ALC Environmental (ALC) was contracted by IMPACCT Brooklyn to perform a Phase II Environmental Site Investigation (ESI) at the property located at 811-817 Lexington Avenue, Brooklyn, New York 11221 (the “Site”). The purpose of this investigation was to address recognized environmental conditions (RECs) identified at the Site, in support of the planned redevelopment activities.

### 1.1 Site Location and Current Usage

The Site consists of two adjacent lots comprised of a split-level 1-and 2-story vacant industrial building and an asphalt-paved parking lot, located on two adjoining rectangular-shaped parcels, approximately 0.35-acres in size. The Site is identified by the New York City (NYC) Department of Finance as Block 1622 and Lots 51 and 56.

The Site is located in the Bedford-Stuyvesant section of the NYC Borough of Brooklyn. The subject parcel is located on the northern side of Lexington Avenue, between Patchen Avenue to the east and Malcolm X Boulevard to the west. The Site Location is presented in **Figure 1**.

### 1.2 Description of Surrounding Properties

As per the NYC Department of City Planning, the subject property is zoned R6B: General Residence District. The general vicinity of the Site consists of multi-family residential buildings, vacant lots, a church, a soup kitchen and social services organization, and an addiction treatment center. The Site is bounded to the north by a four-story multi-family residential building, two 2-story residential buildings, and a community garden; bounded to the east by a vacant lot; bounded to the immediate south by Lexington Avenue, followed by a church identified as Calvary First Nigerian Seventh Day Adventist Church, a vacant lot, and a six-story public facility occupied by the Kingsboro Addiction Treatment Center; and bounded to the west by a 2-story public facility building occupied by St. John’s Bread & Life. No heavy manufacturing or industrial land usage was observed in the immediate proximity to the Site.

### 1.3 Description of Proposed Work

The proposed work consists of the new construction of one 4-story senior affordable housing residential building fronting Lexington Avenue, totaling 61 residential units. The proposed building will provide community facility space in the cellar, in addition to mechanical rooms, storage areas, a fitness center, and office space. The ground floor will consist of residential units, the residential lobby, and a recreational area. The proposed building roof will include a green roof and garden space. The proposed development will occupy approximately 41.5 percent of the footprint of the subject lots, with the remaining 58.5 percent designated for onsite parking, totaling 21 parking spaces, and associated drive lanes. The proposed foundation depth is approximately 11 feet below grade.

#### 1.4 Prior On-site Recognized Environmental Conditions

A Phase I Environmental Site Assessment (ESA) was performed at the Site by ALC in November 2017. ALC identified the following RECs:

- No underground or aboveground storage tanks, vent pipes, fill pipes or access ways indicative of underground storage tanks were visually observed at the Subject Property during the site visit. ALC notes that at the time of the site reconnaissance, the hatch doors leading to the basement were locked and therefore, the basement level was not inspected. However, fuel oil was historically utilized at the Subject Property as a source of heat, as evidenced by a fuel oil burner application dated 1960, which was on-file with the NYC Department of Buildings

Additionally, the Subject Property is listed in the NY UST (Underground Storage Tanks) database in regards to an active 1,500-gallon No. 2 fuel oil tank. As per the database, the tank is permitted under the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage No. 2-333344, however the tank registration certificate expired on November 26, 2008. According to the database, the referenced tank was tested for tightness on June 1, 1995. There are no reported tank test failures associated with the Subject Property. Although requested, no information regarding the status and location of the referenced tank was provided by property management/ownership. The lack of information regarding the referenced 1,500-gallon No. 2 fuel oil UST constitutes a REC.

- As per the historical Fire Insurance (Sanborn) maps and city directories reviewed, the existing split level building at 811-817 Lexington Avenue has been used for various manufacturing and commercial purposes since its construction sometime between 1908 and 1924. Former identified tenants include a commercial garage (Palace Garage) which operated between at least 1928 and 1940; a trucking company (Salsberg M Trucking) identified in 1940; a laundry facility (The Sunshine Laundry) identified in 1949; and various commercial/light industrial companies (Kings Electronics Co., Mars Fudge & Fruit Co., Brandied Fruit Co.) between at least 1949 and 1997. According to the 1932 Sanborn map, a gasoline tank was present on the southern portion of the referenced commercial garage. The status of the tank is unknown, however the tank was not depicted in the 1951 through 2007 Sanborn maps. Additionally, the exact type of operations that were conducted at the referenced laundry facility could not be determined. Potential environmental hazards associated with the former commercial garage include the generation of hazardous wastes in the form of spent oils, auto fluids, and solvents. Polychlorinated biphenyls (PCB)-containing equipment may have been stored at the referenced electronics company. There are no reported releases, or known soil and/or groundwater contamination associated with the Subject Property. However, due to lack of waste disposal regulations prior to the 1970s, there is a possibility that the Subject Property subsurface was impacted by improper disposal of hazardous wastes associated with the former identified uses. Additionally, based on the likely generation of spent solvents and oils associated with said automobile maintenance operations, impacts associated with soil vapor intrusion cannot be ruled out. Therefore, the historical uses of the subject building, including the presence of a gasoline tank that was not regulated, constitute a REC.

- Lot 56 (parking lot) was previously improved with a 3-story commercial/industrial building constructed sometime between 1908 and 1924. Former identified uses of the referenced building include metal stamping operations (Harry Poppke Metal Stamping) in 1934; dyeing and finishing operations (Amer Dyeing & Finishing Co.) between at least 1940 and 1960; ribbon dyeing (AGEE Ribbon Dyers Inc.) in 1960; and a manufacturing facility (Virunit Rubber Manufacturing Co.) in 1960. Potential environmental hazards associated with the former identified uses include the generation of hazardous wastes in the form of spent oils and solvents, and wastewater contaminated with heavy metals. The former onsite building was razed sometime between 1966 and 1976 and the lot was converted into the existing asphalt-paved parking lot. However, based on the lack of hazardous waste disposal regulations prior to the 1970s, and the fact that the Subject Lot 56 has not been redeveloped, the former identified uses constitute a REC.
- According to the historical Sanborn maps and city directories reviewed, the adjacent property to the east, known as 819 Lexington Avenue, was previously occupied by auto repair facilities between at least 1928 and 1934 and between 1982 and 2007. Additionally, metal finishing facilities (COML Finishing Co. and Prime Plating Works Inc.) were identified between 1949 and 1973. As previously stated, potential environmental hazards associated with automobile repair activities include the generation of hazardous wastes in the form of spent oils, automobile fluids, and solvents. Metal finishing operations typically generate hazardous wastes in the form of spent solvents and contaminated wastewater. This former building has been razed and at the present time this site consists of a vacant lot. There are no reported releases, or known soil and/or groundwater contamination associated with this site, however based on the lack of hazardous waste regulations prior to the 1970s, there is a possibility that the Subject Property was adversely impacted by improper disposal of hazardous waste associated with the former uses of this adjacent eastern site. Additionally, based on the likely generation of spent solvents and oils associated with soil vapor migration from this site into the Subject Property cannot be ruled out. As such, the former identified uses of the adjacent eastern site constitute a REC.
- Former identified uses associated with the adjacent western property, known as 803 Lexington Avenue, include a battery service facility (Phillip Battery Service) in 1928; an automotive service facility (Baetz Automotive Service) between at least 1928 and 1932, and a metal products facility (Ranbro Wire & Metal Products Corp.) in 1960. As per the 1932 Sanborn map reviewed, a gasoline tank associated with the automotive service facility was present along the southern portion of the building. The status of this gasoline tank is unknown. Potential environmental hazards associated with the former identified uses include the generation of hazardous wastes in the form of spent oil, auto fluids, and solvents; discharged batteries which may have contained heavy metals such as lead and cadmium; and contaminated wastewaters associated with metal finishing processes. At the present time, this building is occupied by a soup kitchen and social services organization. There are no reported releases, or known soil and/or groundwater contamination associated with this site. However, due to lack of waste disposal regulations prior to the 1970s, there is a possibility that the Subject Property subsurface was impacted by improper disposal hazardous materials associated with the former referenced tenants. Additionally,



based on the likely generation of spent oils and solvents associated with said automobile repair and metal finishing operations and the fact that this site is located up-gradient of the Subject Property, impacts associated with soil vapor migrations from this site into the Subject Property cannot be ruled out. As such, the former identified uses of the adjacent western site constitute a REC.

### **1.5 Regulatory Standards**

The sampling procedures of this investigation were performed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Technical Guidance for Site Investigation and Remediation DER-10.

Soil vapor sampling was performed in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006).

## 2.0 SITE INVESTIGATION/FILED ACTIVITIES

The objective of this ESI was to evaluate potential impacts associated with recognized environmental conditions identified at the Site. ALC performed the following scope of work:

- Six (6) soil borings were advanced at the Site. A total of twelve (12) soil samples were collected and submitted for chemical analysis.
- Six (6) soil vapor probes were installed. Six (6) soil vapor samples were collected and submitted for chemical analysis.
- One (1) indoor air sample was collected and submitted for chemical analysis.
- One (1) outdoor air sample was collected and submitted for chemical analysis.
- Recovered soils were assessed for lithology and field-screened with a photo-ionization detector (PID).

### 2.1 Soil Investigation

The soils encountered during this investigation consisted of Historic Fill Material to a maximum depth of 7 feet below grade, underlain by native material consisting of Silty Sand. Fill material consisted mainly of brick, cinder ash, glass, and pavement material (asphalt and concrete). Groundwater was not encountered during soil boring advancement to the target depth of 13 ft bgs.

Trace petroleum-like odor and staining was observed in the 4-9.5 foot interval of soil boring SB-3. PID readings elevated to 0.5 parts per million (ppm). No elevated PID readings greater than zero (0.0) ppm were observed for the soils recovered from 0-4 ft bgs in soil boring SB-3, or for the soils recovered from soil borings SB-1 and SB-2, or SB-4 through SB-6. Soil boring locations are presented in **Figure 2**. The soil boring log report is included in **Appendix A- Boring Logs**.

On January 10, 2018, ALC utilized Core Down Drilling (CDD) to advance six (6) soil borings at the Site. Soil boring advancement was conducted utilizing a 54DT Geoprobe®. Soil samples were continuously collected at the Site in clear acetate liners via a pneumatically advanced Geoprobe 4' MacroCore® sampler, and decontaminated between samples. Each liner was then cut open and immediately screened with a properly calibrated PID.

Soil samples were collected from acetate sleeves and transferred to appropriate laboratory bottles and TerraCore sampler kits. The soil samples, with the chain of custody record, were submitted to York Analytical Laboratories, Inc. (NYS License No. 10854) for analysis of:

- Volatile organic compounds (VOCs) by EPA Method 8260;
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270;
- TAL (Total Analyte List) Metals by EPA Method 6010 and 7471; and
- Pesticides/PCBs (polychlorinated biphenyls) by EPA Method 8081/8082

## Soil Chemistry

The analytical results of the soil samples collected during this investigation were compared to the NYSDEC Part 375-6 Unrestricted Use (Track 1), and Residential Use (Track 2) Soil Cleanup Objectives (SCOs). Below is a summary of the findings:

### Soil Sample SB-1 1-3

- Four SVOC compounds, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene, were detected at concentrations above the NYCRR Part 375 allowable limits for Restricted Residential Use SCOs. Two SVOC compounds, benzo(k)fluoranthene and chrysene, were detected at concentrations above the NYCRR Part 375 allowable limits for Residential Use SCOs, but below the NYCRR Part 375 allowable limits for Restricted Residential Use SCOs. Eleven (11) SVOC compounds, acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, dibenzo(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, naphthalene, phenanthrene, and pyrene, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Six SVOC compounds, benzaldehyde, benzyl butyl phthalate, bis(2-ethylhexyl)phthalate, carbazole, di-n-butyl phthalate, and isophorone, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- Two metals, lead and mercury, were detected at concentrations above the NYCRR Part 375 allowable limits for Restricted Residential Use SCOs. Two metals, barium and cadmium, were detected at concentrations above the NYCRR Part 375 allowable limits for Residential Use SCOs, but below the NYCRR Part 375 allowable limits for Restricted Residential Use SCOs. Two metals, copper and zinc, were detected at concentrations above the NYCRR Part 375 allowable limits for Unrestricted Use SCOs, but below the NYCRR Part 375 allowable limits for Residential Use SCOs. Three metals, arsenic, manganese, and nickel, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Ten metals, aluminum, antimony, calcium, chromium, cobalt, iron, magnesium, potassium, sodium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- Four pesticide compounds, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, and dieldrin, were detected at concentrations above the NYCRR Part 375 allowable limits for Unrestricted Use SCOs, but below the NYCRR Part 375 allowable limits for Residential Use SCOs. One pesticide compound, alpha-chlordane, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use SCOs. Two pesticide compounds, total chlordane, and gamma-chlordane, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- Total PCBs were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs.
- No VOCs were detected.

### **Soil Sample SB-1 7-9**

- One SVOC compound, pyrene, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use SCOs.
- Seven metals, arsenic, barium, copper, lead, manganese, nickel, and zinc, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Eight metals, aluminum, calcium, chromium, cobalt, iron, magnesium, potassium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- No VOCs, pesticides, or PCBs were detected.

### **Soil Sample SB-2 1-3**

- Four SVOC compounds, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene, were detected at concentrations above the NYCRR Part 375 allowable limits for Restricted Residential Use SCOs. Two SVOC compounds, benzo(k)fluoranthene and chrysene, were detected at concentrations above the NYCRR Part 375 allowable limits for Residential Use SCOs, but below the NYCRR Part 375 allowable limits for Restricted Residential Use SCOs. Ten (10) SVOC compounds, acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, dibenzo(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, phenanthrene, and pyrene, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Three SVOC compounds, benzyl butyl phthalate, bis(2-ethylhexyl)phthalate, and carbazole, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- One metal, mercury, was detected at a concentration above the NYCRR Part 375 allowable limit for Restricted Residential Use SCOs. Three metals, copper, lead, and zinc, were detected at concentrations above the NYCRR Part 375 allowable limits for Unrestricted Use SCOs, but below the NYCRR Part 375 allowable limits for Residential Use SCOs. Five metals, arsenic, barium, cadmium, manganese, and nickel, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Ten metals, aluminum, antimony, calcium, chromium, cobalt, iron, magnesium, potassium, sodium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- Two pesticide compounds, 4,4'-DDE and 4,4'-DDT, were detected at concentrations above the NYCRR Part 375 allowable limits for Unrestricted Use SCOs, but below the NYCRR Part 375 allowable limits for Residential Use SCOs.
- No VOCs or PCBs were detected.

### **Soil Sample SB-2 12-14**

- One SVOC compound, pyrene, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use SCOs.
- Six metals, barium, copper, lead, manganese, nickel, and zinc, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Eight metals, aluminum, calcium, chromium, cobalt, iron, magnesium, potassium, and vanadium,

were also detected in the soil sample however a regulatory limit has not been established for these analytes.

- No VOCs, pesticides, or PCBs were detected.

### **Soil Sample SB-3 1-3**

- One VOC compound, methylene chloride, was detected at concentrations well below the NYCRR Part 375 allowable limit for Unrestricted Use.
- One SVOC compound, pyrene, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use SCOs.
- Seven metals, arsenic, barium, copper, lead, manganese, nickel, and zinc, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Eight metals, aluminum, calcium, chromium, cobalt, iron, magnesium, potassium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- No pesticides or PCBs were detected.

### **Soil Sample SB-3 7.5-9.5**

- One VOC compound, methylene chloride, was detected at concentrations well below the NYCRR Part 375 allowable limit for Unrestricted Use.
- Six SVOC compounds, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, were detected at concentrations above the NYCRR Part 375 allowable limits for Restricted Residential Use SCOs. One SVOC compound, benzo(k)fluoranthene, was detected at a concentration above the NYCRR Part 375 allowable limit for Residential Use SCOs, but below the NYCRR Part 375 allowable limit for Restricted Residential Use SCOs. Ten (10) SVOC compounds, acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, dibenzofuran, fluoranthene, fluorene, naphthalene, phenanthrene, and pyrene, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Three SVOC compounds, 2-methylnaphthalene, bis(2-ethylhexyl)phthalate, and carbazole, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- One metal, mercury, was detected at a concentration above the NYCRR Part 375 allowable limit for Restricted Residential Use SCOs. Three metals, copper, lead, and zinc, were detected at concentrations above the NYCRR Part 375 allowable limits for Unrestricted Use SCOs, but below the NYCRR Part 375 allowable limits for Residential Use SCOs. Five metals, arsenic, barium, cadmium, manganese, and nickel, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Ten metals, aluminum, antimony, calcium, chromium, cobalt, iron, magnesium, potassium, sodium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- Total PCBs were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Arcolor 1254 was also detected in the soil sample however, a regulatory limit has not been established for this analyte.

- No pesticides were detected.

#### **Soil Sample SB-4 1-3**

- One VOC compound, trichloroethylene (TCE), was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use SCOs.
- Thirteen (13) SVOC compounds, acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. One SVOC compound, bis(2-ethylhexyl)phthalate, was also detected in the soil sample however a regulatory limit has not been established for this analyte.
- One metal, mercury, was detected at a concentration above the NYCRR Part 375 allowable limit for Residential Use SCOs, but below the NYCRR Part 375 allowable limit for Restricted Residential Use SCOs. One metal, lead, was detected at a concentration above the NYCRR Part 375 allowable limit for Unrestricted Use SCOs, but below the NYCRR Part 375 allowable limit for Residential Use SCOs. Six metals, arsenic, barium, copper, manganese, nickel, and zinc, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Eight metals, aluminum, calcium, chromium, cobalt, iron, magnesium, potassium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- No pesticides or PCBs were detected.

#### **Soil Sample SB-4 7-9**

- Two VOC compounds, acetone and methylene chloride, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. However, acetone is a common laboratory contaminant.
- One SVOC compound, pyrene, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use SCOs.
- Seven metals, arsenic, barium, copper, lead, manganese, nickel, and zinc, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Eight metals, aluminum, calcium, chromium, cobalt, iron, magnesium, potassium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- No pesticides or PCBs were detected.

#### **Soil Sample SB-5 1-3**

- One VOC compound, TCE, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use.
- One SVOC compound, pyrene, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use SCOs.
- One metal, cadmium, was detected at a concentration above the NYCRR Part 375 allowable limit for Restricted Residential Use SCOs. One metal, zinc, was detected at a concentration

above the NYCRR Part 375 allowable limit for Unrestricted Use SCOs, but below the NYCRR Part 375 allowable limit for Residential Use SCOs. Six metals, arsenic, barium, copper, lead, manganese, and nickel, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Eight metals, aluminum, calcium, chromium, cobalt, iron, magnesium, potassium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.

- No pesticides or PCBs were detected.

#### **Soil Sample SB-5 7-9**

- One VOC compound, TCE, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use.
- One SVOC compound, pyrene, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use SCOs.
- Eight metals, arsenic, barium, cadmium, copper, lead, manganese, nickel, and zinc, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Nine metals, aluminum, antimony, calcium, chromium, cobalt, iron, magnesium, potassium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- No pesticides, or PCBs were detected.

#### **Soil Sample SB-6 1-3**

- Two VOC compounds, tetrachloroethylene (PCE) and TCE, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs.
- One SVOC compound, pyrene, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use SCOs.
- One metal, mercury, was detected at a concentration above the NYCRR Part 375 allowable limit for Residential Use SCOs, but below the NYCRR Part 375 allowable limit for Restricted Residential Use SCOs. Seven metals, arsenic, barium, copper, lead, manganese, nickel, and zinc, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Eight metals, aluminum, calcium, chromium, cobalt, iron, magnesium, potassium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.
- No pesticides or PCBs were detected.

#### **Soil Sample SB-6 8-10**

- One SVOC compound, pyrene, was detected at a concentration below the NYCRR Part 375 allowable limit for Unrestricted Use SCOs.
- Seven metals, arsenic, barium, copper, lead, manganese, nickel, and zinc, were detected at concentrations below the NYCRR Part 375 allowable limits for Unrestricted Use SCOs. Eight metals, aluminum, calcium, chromium, cobalt, iron, magnesium, potassium, and vanadium, were also detected in the soil sample however a regulatory limit has not been established for these analytes.

- No VOCs, pesticides or PCBs were detected.

A summary of the soil sample analytical data is provided in **Table 1**. The laboratory analytical report is provided in **Appendix B**.

## 2.2 Soil Vapor Investigation

The soil vapor investigation was performed on January 10, 2018. CDD utilized the Geoprobe® direct push drilling machine to install six (6) soil vapor probes at the Site. Soil vapor implants SV-01, SV-02, SV-04, and SV-05 were set at a depth of 12 feet below site grade. Soil vapor implants SV-03 and SV-0 were set at a depth of 11 feet and 8 feet below site grade, respectively, where refusal was encountered. The soil vapor implants were surrounded with clean silica sand and plugged with a bentonite slurry to prevent cross communication with the atmosphere. Six (6) soil vapor samples (SV-01 through SV-06) were collected for chemical analysis using 6-Liter SUMMA canisters equipped with 4-hour regulators.

One (1) indoor air quality (IAQ) sample, designated as IA-01, was collected from within the subject building, placed between soil vapor points SV-03 and SV-04. The IAQ sample was collected using a 6-Liter SUMMA canister equipped with a 4-hour regulator.

One (1) outdoor air quality (OAQ) sample, designated as OA-01, was collected from the Site as a control sample for comparison of existing ambient air conditions. The OAQ sample was placed in the parking lot using a 6-Liter SUMMA canister equipped with a 4-hour regulator.

Methodologies used for soil vapor assessment conform to the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006). Soil vapor sampling locations are presented in **Figure 2**.

### Soil Vapor Chemistry

All samples collected at the Site were analyzed via USEPA Method TO-15. The Summa Canisters, with the chain of custody record, were submitted to York Analytical Laboratories, Inc. (NYS License No. 10854), a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory.

The NYSDOH has issued indoor air standards for certain chlorinated volatile organic compounds (CVOCs), including tetrachloroethylene<sup>1</sup> (PCE), trichloroethylene<sup>2</sup> (TCE), and methylene chloride. In addition, the NYSDOH has issued three matrices<sup>3</sup> for decision-making and has assigned a total of eight CVOCs (carbon tetrachloride, 1,1-dichloroethene (11-DCE), cis-1,2-

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<sup>1</sup> Soil Vapor Intrusions updates were made in September 2013, to the final guidance, *NYSDOH Guidance for Evaluation Soil Vapor Intrusion in New York State, October 2006*, providing a new guideline for tetrachloroethylene, lowering the recommended level in ambient air from 100 ug/m<sup>3</sup> to 30 ug/m<sup>3</sup>.

<sup>2</sup> Soil Vapor Intrusions updates were made in August 2015, to the final guidance, providing a new guideline for trichloroethylene, lowering the recommended level in ambient air from 5 ug/m<sup>3</sup> to 2 ug/m<sup>3</sup>.

<sup>3</sup> Soil Vapor Intrusions updates were made in May 2017, to the final guidance, for the assignment of eight volatile chemicals to three newly revised and renamed Soil Vapor/Indoor Air Decision Matrices.



dichloroethene (c12-DCE), methylene chloride, 1,1,1-trichloroethane (111-TCA), PCE, TCE, and vinyl chloride) to these matrices. Below is a summary of the analytical laboratory results:

**Summary of Target Compounds detected in Soil Vapor**

Volatile Organic Compound	Air Guideline Value (µg/m <sup>3</sup> )	SV-01	SV-02	SV-03	SV-04	SV-05	SV-06	IA-01	OA-01
Methylene chloride (also referred to as dichloromethane)	60	2.8	ND	2.2	1.3	2.7	1.6	ND	0.41
Tetrachloroethylene (PCE)	30	15	450	380	11	150	72	0.36	0.58
Trichloroethylene (TCE)	2	44	970	1,000	28	4,800	520	0.29	0.086

ND-None Detected

- Vinyl chloride was not detected in any of the soil vapor samples collected at the Site.
- 111-TCA was detected in soil vapor samples SV-02 and SV-03. As per the NYSDOH decision Matrix B, no further action is recommended for 111-TCA soil vapor concentrations less than 100 micrograms per cubic meter (ug/m<sup>3</sup>), coupled with indoor air concentrations less than 3 ug/m<sup>3</sup>.
- 11-DCE was detected in soil vapor samples SV-05 and SV-06. As per the NYSDOH decision Matrix A, no further action is recommended for 11-DCE soil vapor concentrations less than 6 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 0.2 ug/m<sup>3</sup>.
- Carbon tetrachloride was detected in soil vapor samples SV-01 through SV-06, the indoor air sample IA-01, and the outdoor air sample OA-01. Soil vapor concentrations detected were greater than the indoor air concentration. This factor indicates that the concentration detected in indoor air can be attributed to vapor encroachment. However, as per the NYSDOH decision Matrix A, no further action is recommended for carbon tetrachloride soil vapor concentrations less than 6 ug/m<sup>3</sup>, coupled with indoor air concentrations greater than 0.2 ug/m<sup>3</sup> but less than 1 ug/m<sup>3</sup>.
- c12-DCE was detected in soil vapor samples SV-02 through SV-06. As per the NYSDOH decision Matrix A, no further action is recommended for c12-DCE soil vapor concentrations less than 6 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 0.2 ug/m<sup>3</sup>.
- Methylene chloride was detected in soil vapor samples SV-01, SV-03 through SV-06, and in the outdoor air sample OA-01. Concentrations of methylene chloride detected were less than the NYSDOH air guidance value of 60 µg/m<sup>3</sup>. As per the NYSDOH decision Matrix B, no

further action is recommended for methylene chloride soil vapor concentrations less than 100 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 3 ug/m<sup>3</sup>.

- PCE was detected in all six soil vapor samples SV-01 through SV-06, the indoor air sample IA-01, and the outdoor air sample OA-01. PCE detected in soil vapor samples SV-02, SV-03, SV-05, and SV-06, were greater than the NYSDOH air guidance value of 30 ug/m<sup>3</sup>. Soil vapor concentrations detected were greater than the indoor air concentration. This factor indicates that the concentration detected in indoor air can be attributed to vapor encroachment. However, as per the NYSDOH decision Matrix B, no further action is recommended for PCE soil vapor concentrations greater than 100 ug/m<sup>3</sup> but less than 1,000 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 3 ug/m<sup>3</sup>.
- TCE was detected in all six soil vapor samples SV-01 through SV-06, the indoor air sample IA-01, and the outdoor air sample OA-01. TCE detected in soil vapor samples SV-01 through SV-06, were greater than the NYSDOH air guidance value of 2 ug/m<sup>3</sup>. Soil vapor concentrations detected were greater than the indoor air concentration. This factor indicates that the concentration detected in indoor air can be attributed to vapor encroachment. Per the NYSDOH decision Matrix A, mitigation is recommended for TCE soil vapor concentrations greater than 60 ug/m<sup>3</sup>, coupled with indoor air concentrations greater than 0.2 ug/m<sup>3</sup> but less than 1 ug/m<sup>3</sup>.
- 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) was detected in the outdoor air sample only.
- 4-Methyl-2-pentanone was detected in the indoor air sample only. This factor indicates that the concentration detected indoor air cannot be attributed to vapor encroachment.
- Dibromochloromethane and trans-1,2-dichloroethylene were detected in soil vapor sample SV-05.
- 1,3-Butadiene was detected in soil vapor samples SV-01, SV-03, SV-05, and SV-06.
- 1,2-Dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 2-hexanone, and chloroform, were detected in soil vapor samples SV-01, SV-02, SV-03, SV-05, and SV-06.
- Carbon disulfide, chlorobenzene, were detected in all six soil vapor samples.
- Ethyl acetate was detected in soil vapor samples SV-01, SV-02, SV-03, SV-05, and SV-06, and the outdoor air sample OA-01. Soil vapor concentrations detected were greater than the outdoor air sample.

- Isopropanol was detected in soil vapor samples SV-01, SV-02, SV-04, SV-05, and SV-06, and the outdoor air sample OA-01. Soil vapor concentrations detected were greater than the outdoor air sample.
- Tetrahydrofuran was detected in soil vapor samples SV-01, SV-03, SV-04, SV-05, and SV-06, and the outdoor air sample OA-01. Soil vapor concentrations detected were greater than the outdoor air sample.
- Chloromethane was detected in all six soil vapor samples SV-01 through SV-06, the indoor air sample IA-01, and the outdoor air sample OA-01. Soil vapor concentrations detected were greater than the indoor air sample. However, the concentration detected in soil vapor sample SV-03 was less than the indoor air sample. These factors indicate that the concentrations detected in indoor air can be attributed to vapor encroachment.
- Dichlorodifluoromethane was detected in all six soil vapor samples SV-01 through SV-06, the indoor air sample IA-01, and the outdoor air sample OA-01. Soil vapor concentrations detected in soil vapor samples SV-01 and SV-06 were greater than the indoor air and outdoor air samples. Soil vapor concentrations detected in soil vapor sample SV-02 was greater than the indoor air sample and equal to the outdoor air sample. Soil vapor concentrations detected in soil vapor samples SV-04 and SV-05 were greater than the indoor air sample but less than the outdoor air sample. Soil vapor concentrations detected in soil vapor sample SV-03 was equal to the indoor air sample and less than the outdoor air sample. These factors indicate that the concentrations detected in indoor air can be attributed to vapor encroachment.
- Trichlorofluoromethane (Freon 11) was detected in all six soil vapor samples SV-01 through SV-06, the indoor air sample IA-01, and the outdoor air sample OA-01. Soil vapor concentrations detected were greater than the indoor air sample. However, the concentration detected in soil vapor sample SV-03 was equal to the indoor air sample. These factors indicate that the concentrations detected in indoor air can be attributed to vapor encroachment.
- 1,2,4-Trimethylbenzene, 1,3,5-trimethylbenzene, 2-butanone, ethyl benzene, n-hexane, o-xylene, and p-ethyltoluene, were detected in all six soil vapor samples SV-01 through SV-06, the indoor air sample IA-01, and the outdoor air sample OA-01. Soil vapor concentrations detected were greater than the indoor air sample. However, the concentrations detected in the indoor air sample were less than concentrations detected in the outdoor air sample. These factors indicate that the concentrations detected in indoor air can be attributed to vapor encroachment.
- Styrene was detected in soil vapor sample SV-06, and the indoor air sample IA-01. The soil vapor concentration detected was greater than the indoor air sample. This factor indicates that the concentration detected in indoor air can be attributed to vapor encroachment.

- Acetone, benzene, cyclohexane, n-heptane, p-&m-xylenes, propylene, and toluene, were detected in all six soil vapor samples SV-01 through SV-06, the indoor air sample IA-01, and the outdoor air sample OA-01. Soil vapor concentrations detected were greater than the indoor air sample. These factors indicate that the concentrations detected in indoor air can be attributed to vapor encroachment.

A summary of the vapor analytical data is provided in **Table 2**. The laboratory analytical report is provided in **Appendix B**.

### 3.0 CONCLUSIONS AND RECOMMENDATIONS

The objective of this ESI was to determine the presence of subsurface contamination at the Site associated with identified RECs. This was accomplished through a site visit, soil testing, and soil vapor testing. Based on the laboratory analytical results and visual observations, the following conclusions and recommendations are presented:

#### 3.1 Conclusions

##### Soil Investigation

Soil analytical results at the Site were compared to the NYSDEC 6 NYCRR Subpart 375-6: Remedial Program Soil Cleanup Objectives for evaluation.

- Four (4) VOC compounds, acetone, methylene chloride, PCE, and TCE, were detected in the soil samples collected at the Site. Detected compounds were below their respective NYCRR Part 375 allowable limits for Unrestricted Use SCOs. However, ALC notes that acetone is a common laboratory contaminant.
- Twenty-four (24) SVOC compounds were detected in the soil samples collected at the Site. Seven (7) compounds, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k) fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, were detected above the NYCRR Part 375 allowable limits for Residential Use SCOs, with benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, exceeding the NYCRR Part 375 allowable limits for Restricted Residential Use SCOs. Exceedences were detected primarily in the surface soil samples collected from the Site.
- Nineteen (19) metals were detected in the soil samples collected at the Site. Six (6) metals, barium, cadmium, copper, lead, mercury, and zinc, were detected above the NYCRR Part 375 allowable limits for Unrestricted Use, with barium exceeding the NYCRR Part 375 allowable limit for Residential Use SCOs, and with cadmium, lead, and mercury, exceeding the NYCRR Part 375 allowable limits for Restricted Residential Use SCOs.
- Seven (7) pesticide compounds were detected in the soil samples collected at the Site. Four (4) compounds, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, and dieldrin, were detected above the NYCRR Part 375 allowable limits for Unrestricted Use.
- Total PCBs and aroclor 1254 were detected in the soil samples collected at the Site. However detected compounds were below the NYCRR Part 375 allowable limits for Unrestricted Use.

Trace olfactory and visual evidence of contamination was observed in the 4-9.5 foot interval of soil boring SB-3. PID readings elevated to 0.5 ppm. No olfactory or visual evidence, or elevated PID readings were observed in the soils recovered from soil borings SB-1, SV-2, and SV-4 through SB-6.

## Soil Vapor Investigation

- Vinyl chloride was not detected in any of the soil vapor samples collected at the Site.
- 111-TCA was detected in soil vapor only. As per the NYSDOH decision Matrix B, no further action is recommended for 111-TCA soil vapor concentrations less than 100 micrograms per cubic meter ( $\text{ug}/\text{m}^3$ ), coupled with indoor air concentrations less than  $3 \text{ ug}/\text{m}^3$ .
- 11-DCE was detected in soil vapor only. As per the NYSDOH decision Matrix A, no further action is recommended for 11-DCE soil vapor concentrations less than  $6 \text{ ug}/\text{m}^3$ , coupled with indoor air concentrations less than  $0.2 \text{ ug}/\text{m}^3$ .
- Carbon tetrachloride was detected in soil vapor and in the air quality samples. Based on a review of the relative concentrations of compounds in indoor air and outdoor air, compared to soil vapor levels, the concentration of carbon tetrachloride detected in indoor air can be attributed to vapor encroachment. However, as per the NYSDOH decision Matrix A, no further action is recommended for carbon tetrachloride soil vapor concentrations less than  $6 \text{ ug}/\text{m}^3$ , coupled with indoor air concentrations greater than  $0.2 \text{ ug}/\text{m}^3$  but less than  $1 \text{ ug}/\text{m}^3$ .
- c12-DCE was detected in soil vapor only. As per the NYSDOH decision Matrix A, no further action is recommended for c12-DCE soil vapor concentrations less than  $6 \text{ ug}/\text{m}^3$ , coupled with indoor air concentrations less than  $0.2 \text{ ug}/\text{m}^3$ .
- Methylene chloride was detected in soil vapor and in the outdoor air quality sample. Concentrations of methylene chloride detected were less than the NYSDOH air guidance value of  $60 \text{ ug}/\text{m}^3$ . As per the NYSDOH decision Matrix B, no further action is recommended for methylene chloride soil vapor concentrations less than  $100 \text{ ug}/\text{m}^3$ , coupled with indoor air concentrations less than  $3 \text{ ug}/\text{m}^3$ .
- PCE was detected in all six soil vapor samples and in the air quality samples. PCE detected in soil vapor samples SV-02, SV-03, SV-05, and SV-06, were greater than the NYSDOH air guidance value of  $30 \text{ ug}/\text{m}^3$ . Based on a review of the relative concentrations of compounds in indoor air and outdoor air, compared to soil vapor levels, the concentration of PCE detected in indoor air can be attributed to vapor encroachment. However, as per the NYSDOH decision Matrix B, no further action is recommended for PCE soil vapor concentrations greater than  $100 \text{ ug}/\text{m}^3$  but less than  $1,000 \text{ ug}/\text{m}^3$ , coupled with indoor air concentrations less than  $3 \text{ ug}/\text{m}^3$ .
- TCE was detected in all six soil vapor samples and in the air quality samples. TCE detected in soil vapor samples were greater than the NYSDOH air guidance value of  $2 \text{ ug}/\text{m}^3$ . Based on a review of the relative concentrations of compounds in indoor air and outdoor air, compared to soil vapor levels, the concentration of TCE detected in indoor air can be attributed to vapor encroachment. Per the NYSDOH decision Matrix A, mitigation is recommended for

TCE soil vapor concentrations greater than 60 ug/m<sup>3</sup>, coupled with indoor air concentrations greater than 0.2 ug/m<sup>3</sup> but less than 1 ug/m<sup>3</sup>.

- 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) and 4-Methyl-2-pentanone were detected only in the air quality samples.
- 1,2-Dichlorobenzene, 1,3-butadiene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 2-hexanone, carbon disulfide, chlorobenzene, chloroform, dibromochloromethane, and trans-1,2-dichloroethylene, were detected only in soil vapor.
- Ethyl acetate, isopropanol, and tetrahydrofuran, were detected in soil vapor samples and the outdoor air sample. Soil vapor concentrations detected were greater than the outdoor air sample and can potentially pose a soil vapor encroachment risk.
- Eighteen (18) VOCs compounds were also detected in the soil vapor samples collected from the Site, at low to moderate levels. Based on review of the relative concentrations of compounds in indoor and outdoor air, compared to soil vapor levels, the concentrations of 1,2,4-Trimethylbenzene, 1,3,5-trimethylbenzene, 2-butanone, acetone, benzene, chloromethane, cyclohexane, dichlorodifluoromethane, ethyl benzene, n-heptane, n-hexane, o-xylene, p-&m-xylenes, p-ethyltoluene, propylene, styrene, toluene, and trichlorofluoromethane (Freon 11), detected in indoor air can be attributed to vapor encroachment. However, ALC notes that acetone is a common laboratory contaminant.

### 3.2 Recommendations

The analytical results of the soil and soil vapor sampling performed revealed environmental impacts in the onsite subsurface soil and soil vapor. The presence of VOCs, SVOCs, metals, and pesticides, detected in soil throughout the Site, are likely impacted by historic urban fill, and historical industrial uses of the Site and surrounding properties. Additionally, several VOC compounds typically associated with petroleum-based and chlorinated solvent products detected in the soil vapor samples, indicates that the Site was likely impacted by and historical industrial uses of the Site and surrounding properties.

Contaminated soil in the footprint of the proposed building will be excavated during the redevelopment stages of this project. Contaminated soil encountered at hot spot locations SB-2 and SB-5, located in the proposed parking lot and associated drive lanes, should be excavated to a minimum depth of 3 feet below grade prior to any pavement activities proposed for the referenced areas. A Soil Management Plan should be developed to address the removal and disposal of contaminated soil during construction of the proposed building and planned parking lot.

Based on the NYSDOH guidelines and analytical results, the presence of several VOC compounds at low to elevated levels in the soil vapor present the risk of vapor intrusion on the occupants of the proposed building. Per the NYSDOH decisions Matrix A, mitigation of TCE

concentrations is recommended. The most common mitigation measures, include sealing preferential pathways in conjunction with installation of a sub-slab depressurization system (SSDS), and changing the pressurization of the proposed building in conjunction with monitoring.

Due to the presence of several VOCs at elevated levels, and the potential for vapor encroachment, ALC recommends sealing the floor of the proposed building in conjunction with installation of a SSDS, and a vapor barrier membrane, to limit potential vapor intrusion on the occupants of the proposed building. Floor sealing includes using non-VOC caulk or foam in slab cracks, cuts or utility entries, followed by applying a layer of epoxy to the proposed building floor. This should be considered a proactive measure to reduce any potential exposure that could possibly be attributed to vapor intrusion.

ALC has no additional recommendations for further study at the Site at this time.







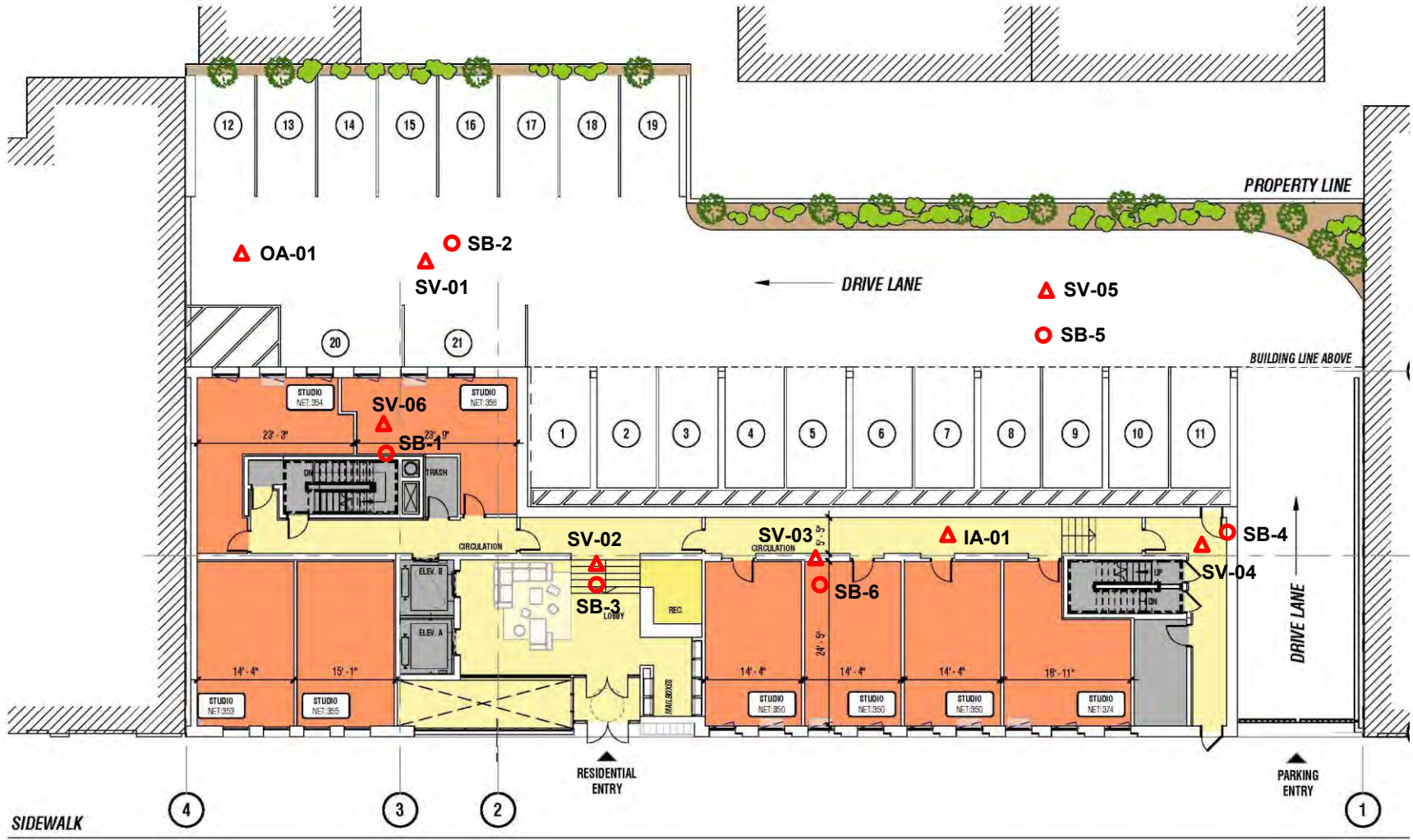
811-817 Lexington Avenue, Brooklyn, NY 11221  
 NYC OASIS

**Figure 1**  
**Site Location Map**



# SD-08 FLOOR PLAN - GROUND FLOOR

- Soil Boring
- ▲ Soil Vapor Implant/Ambient Air Sample



SIDEWALK

RESIDENTIAL ENTRY

PARKING ENTRY



811-817 Lexington Avenue, Brooklyn, NY 11221

Figure 2  
Sampling Location  
Map

**TABLES**

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Summary of Analytical Data



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 Brooklyn, NY 11221

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Compound	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Volatile Organics, 8260 - Comprehensive</b>															
n-Propylbenzene	3.9	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.9	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1.3	5.5	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00290	ND
Toluene	0.7	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	0.19	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-dichloro-2-butene	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	0.47	10	21	ND	ND	ND	ND	ND	ND	0.00490	ND	0.0210	0.0540	0.00490	ND
Trichlorofluoromethane	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	0.21	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Compound	Use SCOs	Residential	Residential	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatiles, 8270 - Comprehensive	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Bis(2-ethylhexyl)phthalate	~	~	~	7.100	ND	0.364	ND	ND	1.930	0.121	ND	ND	ND	ND	ND
Caprolactam	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	~	~	~	0.443	ND	0.292	ND	ND	0.276	ND	ND	ND	ND	ND	ND
Chrysene	1	1	3.9	3.550	ND	2.360	ND	ND	4.230	0.176	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.260	ND	0.242	ND	ND	0.726	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	14	59	0.104	ND	0.0878	ND	ND	0.241	ND	ND	ND	ND	ND	ND
Diethyl phthalate	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	~	~	~	0.730	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	100	5.920	ND	4.480	ND	ND	7.830	0.498	ND	ND	ND	ND	ND
Fluorene	30	100	100	0.210	ND	0.165	ND	ND	0.558	0.0955	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	0.33	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	0.688	ND	0.564	ND	ND	2.490	0.0607	ND	ND	ND	ND	ND
Isophorone	~	~	~	0.111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	100	100	0.0526	ND	ND	ND	ND	0.0655	ND	ND	ND	ND	ND	ND
Nitrobenzene	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitroso-di-n-propylamine	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	2.4	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	100	3.010	ND	2.410	ND	ND	7.700	0.565	ND	ND	ND	ND	ND
Phenol	0.33	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	100	100	6.590	0.0458	5.120	0.0435	0.0456	9	0.472	0.0458	0.0470	0.0539	0.0464	0.0444

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Sampling Date	Unrestricted	Residential	Residential	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client Matrix	Use SCOs	Use SCOs	Use SCOs	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Compound	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Metals, Target Analyte</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>
Aluminum	~	~	~	7,800	6,830	7,420	3,360	6,190	7,860	9,340	10,500	8,030	15,900	8,910	6,080
Antimony	~	~	~	1,530	ND	0.762	ND	ND	0.596	ND	ND	ND	1.190	ND	ND
Arsenic	13	16	16	6,450	1,340	4,840	ND	1,230	5,350	3,210	1,570	2,370	3,390	2,080	2,090
Barium	350	350	400	392	34,800	174	29,100	43,700	141	87,500	45,700	40,700	105	56,700	50,700
Beryllium	7.2	14	72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	2.5	4.3	3,010	ND	0.824	ND	ND	1.140	ND	ND	10,200	0.468	ND	ND
Calcium	~	~	~	22,500	832	18,300	713	499	45,000	951	709	530	1,340	1,150	1,030
Chromium	~	~	~	20,800	18,300	14,900	7,510	15,200	12,500	14,400	27,400	12,800	50,500	10,600	16,600
Cobalt	~	~	~	5,530	7,550	6,530	4,420	7,140	5,030	3,930	8,790	3,900	14,100	4,270	7,640
Copper	50	270	270	269	17,500	92,300	10,100	17,700	178	36,900	18,100	49,100	30,400	6,880	16
Iron	~	~	~	16,400	21,800	16,100	12,600	22,700	14,600	14,800	27,600	10,900	34,300	9,770	20,700
Lead	63	400	400	550	6,190	170	2,970	4,820	147	185	5,130	26,300	8,400	21,700	5,330
Magnesium	~	~	~	2,940	1,640	3,250	1,330	1,770	4,510	1,490	4,730	1,230	5,250	1,280	1,570
Manganese	1600	2000	2000	321	421	317	337	317	356	98,800	628	125	416	403	500
Nickel	30	140	310	20,200	7,270	11,900	4,830	4,250	11,500	7,380	7,640	7,240	15,600	7,080	6,190
Potassium	~	~	~	648	933	827	497	924	784	505	1,720	429	2,550	455	1,190
Selenium	3.9	36	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	36	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	~	~	~	523	ND	226	ND	ND	439	ND	ND	ND	ND	ND	ND
Thallium	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	~	~	~	29,700	29	23	13,800	27,400	26,200	20,600	41,700	16,500	52,200	14	25,100
Zinc	109	2200	10000	490	28,300	233	20,200	29	178	46,800	33,100	133	61,200	18,300	24,900
<b>Mercury by 7473</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>
Mercury	0.18	0.81	0.81	7,410	ND	4,060	ND	ND	13	0.492	ND	ND	ND	0.289	ND

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Compound	Use SCOs	Residential	Residential	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Pesticides, 8081 target list</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>
4,4'-DDD	0.0033	2.6	13	0.0165	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	1.8	8.9	0.0120	ND	0.00432	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	1.7	7.9	0.0228	ND	0.00861	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.005	0.019	0.097	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.02	0.097	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	0.094	0.91	4.2	0.0100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.036	0.072	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, total	~	~	~	0.0649	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.04	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.005	0.039	0.2	0.0104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2.4	4.8	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2.4	4.8	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	2.4	4.8	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.014	2.2	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.1	0.28	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	~	~	~	0.0140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.042	0.42	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Polychlorinated Biphenyls (PCB)</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>
Aroclor 1016	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	~	~	~	ND	ND	ND	ND	ND	0.0455	ND	ND	ND	ND	ND	ND
Aroclor 1260	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1	1	0.0519	ND	ND	ND	ND	0.0455	ND	ND	ND	ND	ND	ND

**NOTES:**

NYSDEC - New York State Department of Environmental Conservation

SCOs - Soil Cleanup Objectives

mg/Kg - milligrams per kilogram

~ - this indicates that no regulatory limit has been established for this analyte

ND - analyte not detected at or above the reporting level

**Highlighted results exceed regulatory limits**



Appendix A  
Soil Boring Log

811-817 Lexington Avenue - Brooklyn, NY Phase II Soil Boring Logs					
Date	Sample ID	Depth (ft bgs)	Description	PID Reading (ppm)	Notes
1/10/2018	SB-01	0' - 0.5'	5 inches of ASPHALT and ASPHALT BASE,	0.0	Refusal at 9' ft bgs
		0.5' -2.3'	Dark brown m-f SAND, some Silt, little Fill material (Brick, Asphalt, Glass, and Cinder Ash)	0.0	
		2.3' -4'	Brown c-f SAND, some Silt, little Fill material (Brick and Concrete)	0.0	
		4' -8'	Brown m-f SAND, some Silt, little Cobble	0.0	
		8' - 9'	Brown m-f SAND, little Silt, trace coarse Gravel	0.0	
1/10/2018	SB-02	0' - 0.5'	5 inches of ASPHALT and ASPHALT BASE,	0.0	
		0.5' -4'	Brown m-f SAND, some c-f Gravel, little Fill material (Brick and Cinder Ash), trace Silt	0.0	
		4' -12'	Brown m-f SAND, some Silt, trace Gravel	0.0	
		12' - 14'	Brown c-f SAND, little Silt, trace Brick	0.0	
1/10/2018	SB-03	0' - 0.5'	5 inches of ASPHALT and ASPHALT BASE,	0.0	Refusal at 9.5' ft bgs
		0.5' -4'	Brown c-f SAND, some Fill material (Brick, Cinder Ash, and Wood), little c- f Gravel, trace Silt	0.0	
		4' - 9.5'	Brown m-f SAND, some Silt, little coarse Gravel, trace petroleum-like staining	0.5	
1/10/2018	SB-04	0' - 1.2'	Brown c-f SAND, little Fill material (Brick and Cinder Ash), trace Silt	0.0	Refusal at 9' ft bgs
		1.2' -8.5'	Brown m-f SAND, some Silt	0.0	
		8.5' - 9'	Brown m-f SAND, some Silt, little coarse Gravel	0.0	
1/10/2018	SB-05	0' - 1'	Brown c-f SAND and CINDER ASH, trace Silt	0.0	Refusal at 9' ft bgs
		1' - 4'	Brown m-f SAND and SILT	0.0	
		4' -8'	Brown SILT, little fine Sand	0.0	
		8' - 9'	Gray coarse GRAVEL, little c-f Sand, trace Silt	0.0	
1/10/2018	SB-06	0' - 4'	Brown m-f SAND, some Silt, little coarse Gravel, trace Cinder Ash	0.0	Lens of Brick at 7' bgs Refusal at 10' ft bgs
		4' -8'	Brown m-f SAND and SILT, little c-f Gravel, lens of brick	0.0	
		8' - 10'	Brown c-f SAND, some Silt, little c-f Gravel	0.0	

ft bgs - feet below ground surface  
ppm - parts per million





# Technical Report

prepared for:

**ALC Environmental, Inc.**  
121 West 27th St., 402  
New York NY, 10001  
**Attention: Cheryl Benmergui**

Report Date: 01/18/2018  
**Client Project ID: 811-817 Lexington Ave**  
York Project (SDG) No.: 18A0266

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
www.YORKLAB.com

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
ClientServices@yorklab.com

Report Date: 01/18/2018  
Client Project ID: 811-817 Lexington Ave  
York Project (SDG) No.: 18A0266

**ALC Environmental, Inc.**  
121 West 27th St., 402  
New York NY, 10001  
Attention: Cheryl Benmergui

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 10, 2018 and listed below. The project was identified as your project: **811-817 Lexington Ave.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18A0266-01	SB-1 1'-3'	Soil	01/10/2018	01/10/2018
18A0266-02	SB-1 7'-9'	Soil	01/10/2018	01/10/2018
18A0266-03	SB-2 1'-3'	Soil	01/10/2018	01/10/2018
18A0266-04	SB-2 12'-14'	Soil	01/10/2018	01/10/2018
18A0266-05	SB-3 1'-3'	Soil	01/10/2018	01/10/2018
18A0266-06	SB-3 7.5'-9.5'	Soil	01/10/2018	01/10/2018
18A0266-07	SB-4 1'-3'	Soil	01/10/2018	01/10/2018
18A0266-08	SB-4 7'-9'	Soil	01/10/2018	01/10/2018
18A0266-09	SB-5 1'-3'	Soil	01/10/2018	01/10/2018
18A0266-10	SB-5 7'-9'	Soil	01/10/2018	01/10/2018
18A0266-11	SB-6 1'-3'	Soil	01/10/2018	01/10/2018
18A0266-12	SB-6 8'-10'	Soil	01/10/2018	01/10/2018

## **General Notes for York Project (SDG) No.: 18A0266**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 01/18/2018







### Sample Information

**Client Sample ID:** SB-1 1'-3'

**York Sample ID:** 18A0266-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18A0266	811-817 Lexington Ave	Soil	January 10, 2018 12:35 pm	01/10/2018

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 02:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 02:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	63	250	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS



### Sample Information

**Client Sample ID:** SB-1 1'-3'

**York Sample ID:** 18A0266-01

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:35 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/kg dry	3.1	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
591-78-6	2-Hexanone	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
67-64-1	Acetone	ND		ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
107-02-8	Acrolein	ND		ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
71-43-2	Benzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-25-2	Bromoform	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
67-66-3	Chloroform	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
110-82-7	Cyclohexane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS



### Sample Information

**Client Sample ID:** SB-1 1'-3'

**York Sample ID:** 18A0266-01

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:35 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
79-20-9	Methyl acetate	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
100-42-5	Styrene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.1	13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
108-88-3	Toluene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS



### Sample Information

**Client Sample ID:** SB-1 1'-3'

**York Sample ID:** 18A0266-01

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:35 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 02:16	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.1	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:16	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.4	19	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 02:16	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	98.5 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	108 %			76-130						

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR



### Sample Information

**Client Sample ID:** SB-1 1'-3'

**York Sample ID:** 18A0266-01

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:35 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR



### Sample Information

**Client Sample ID:** SB-1 1'-3'

**York Sample ID:** 18A0266-01

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:35 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	232		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
208-96-8	Acenaphthylene	269		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
98-86-2	Acetophenone	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
62-53-3	Aniline	ND		ug/kg dry	203	405	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
120-12-7	Anthracene	759		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
1912-24-9	Atrazine	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
100-52-7	Benzaldehyde	101	CCV-E	ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
92-87-5	Benzidine	ND		ug/kg dry	203	405	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
56-55-3	Benzo(a)anthracene	3130		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
50-32-8	Benzo(a)pyrene	1810		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
205-99-2	Benzo(b)fluoranthene	2470		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
191-24-2	Benzo(g,h,i)perylene	590		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
207-08-9	Benzo(k)fluoranthene	1520		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
65-85-0	Benzoic acid	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
85-68-7	Benzyl butyl phthalate	3670		ug/kg dry	127	253	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 21:23	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
117-81-7	Bis(2-ethylhexyl)phthalate	7100		ug/kg dry	127	253	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 21:23	SR
105-60-2	Caprolactam	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
86-74-8	Carbazole	443		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR



### Sample Information

**Client Sample ID:** SB-1 1'-3'

**York Sample ID:** 18A0266-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 12:35 pm

01/10/2018

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	3550		ug/kg dry	127	253	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 21:23	SR
53-70-3	Dibenzo(a,h)anthracene	260		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
132-64-9	Dibenzofuran	104		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
84-74-2	Di-n-butyl phthalate	730		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
206-44-0	Fluoranthene	5920		ug/kg dry	127	253	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 21:23	SR
86-73-7	Fluorene	210		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
193-39-5	Indeno(1,2,3-cd)pyrene	688		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
78-59-1	Isophorone	111		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
91-20-3	Naphthalene	52.6	J	ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
85-01-8	Phenanthrene	3010		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR



### Sample Information

**Client Sample ID:** SB-1 1'-3'

**York Sample ID:** 18A0266-01

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:35 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:50	SR
129-00-0	Pyrene	6590		ug/kg dry	127	253	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 21:23	SR
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	86.4 %			20-108						
4165-62-2	Surrogate: Phenol-d5	83.1 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	87.1 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	74.0 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	94.2 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	68.0 %			24-116						

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	16.5		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
72-55-9	4,4'-DDE	12.0		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
50-29-3	4,4'-DDT	22.8		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
309-00-2	Aldrin	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
319-84-6	alpha-BHC	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
5103-71-9	alpha-Chlordane	10.0		ug/kg dry	2.01	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 20:07	SA
319-85-7	beta-BHC	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
57-74-9	Chlordane, total	64.9		ug/kg dry	40.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
319-86-8	delta-BHC	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
60-57-1	Dieldrin	10.4		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
959-98-8	Endosulfan I	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 20:07	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA





### Sample Information

**Client Sample ID:** SB-1 1'-3'

**York Sample ID:** 18A0266-01

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:35 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
5566-34-7	<b>gamma-Chlordane</b>	<b>14.0</b>		ug/kg dry	2.01	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 20:07	SA
76-44-8	Heptachlor	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.01	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
72-43-5	Methoxychlor	ND		ug/kg dry	10.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
8001-35-2	Toxaphene	ND		ug/kg dry	102	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:07	SA
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	104 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	39.5 %	30-150							

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:22	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:22	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:22	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:22	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:22	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:22	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:22	LAB
1336-36-3	<b>* Total PCBs</b>	<b>0.0519</b>		mg/kg dry	0.0203	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 14:22	LAB



### Sample Information

**Client Sample ID:** SB-1 1'-3'

**York Sample ID:** 18A0266-01

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:35 pm	<u>Date Received</u> 01/10/2018
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**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	66.5 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	61.5 %			30-140					

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7800		mg/kg dry	6.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-36-0	Antimony	1.53		mg/kg dry	0.609	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-38-2	Arsenic	6.45		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-39-3	Barium	392		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.122	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-43-9	Cadmium	3.01		mg/kg dry	0.365	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-70-2	Calcium	22500		mg/kg dry	6.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-47-3	Chromium	20.8		mg/kg dry	0.609	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-48-4	Cobalt	5.53		mg/kg dry	0.609	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-50-8	Copper	269		mg/kg dry	0.609	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7439-89-6	Iron	16400		mg/kg dry	2.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7439-92-1	Lead	550		mg/kg dry	0.609	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7439-95-4	Magnesium	2940		mg/kg dry	6.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7439-96-5	Manganese	321		mg/kg dry	0.609	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-02-0	Nickel	20.2		mg/kg dry	0.609	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-09-7	Potassium	648		mg/kg dry	6.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7782-49-2	Selenium	ND		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-22-4	Silver	ND		mg/kg dry	0.609	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML



### Sample Information

**Client Sample ID:** SB-1 1'-3' **York Sample ID:** 18A0266-01  
**York Project (SDG) No.:** 18A0266 **Client Project ID:** 811-817 Lexington Ave **Matrix:** Soil **Collection Date/Time:** January 10, 2018 12:35 pm **Date Received:** 01/10/2018

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	523		mg/kg dry	12.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-28-0	Thallium	ND		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-62-2	Vanadium	29.7		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML
7440-66-6	Zinc	490		mg/kg dry	1.83	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:39	BML

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	7.41		mg/kg dry	0.0365	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 15:09	SY

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.1		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM

### Sample Information

**Client Sample ID:** SB-1 7'-9' **York Sample ID:** 18A0266-02  
**York Project (SDG) No.:** 18A0266 **Client Project ID:** 811-817 Lexington Ave **Matrix:** Soil **Collection Date/Time:** January 10, 2018 12:40 pm **Date Received:** 01/10/2018

#### Volatile Organics, 8260 - Comprehensive

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS



### Sample Information

**Client Sample ID:** SB-1 7'-9'

**York Sample ID:** 18A0266-02

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:40 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 02:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 02:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	40	160	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
67-64-1	Acetone	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS



### Sample Information

**Client Sample ID:** SB-1 7'-9'

**York Sample ID:** 18A0266-02

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:40 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
71-43-2	Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
75-25-2	Bromoform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
67-66-3	Chloroform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS



### Sample Information

**Client Sample ID:** SB-1 7'-9'

**York Sample ID:** 18A0266-02

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:40 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
100-42-5	Styrene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
108-88-3	Toluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 02:48	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS



### Sample Information

Client Sample ID: SB-1 7'-9'

York Sample ID: 18A0266-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 12:40 pm

01/10/2018

#### Volatile Organics, 8260 - Comprehensive

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 02:48	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.0	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 02:48	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: Toluene-d8	96.8 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			76-130						

#### Semi-Volatiles, 8270 - Comprehensive

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	91.4	183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	91.4	183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	91.4	183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH



### Sample Information

**Client Sample ID:** SB-1 7'-9'

**York Sample ID:** 18A0266-02

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:40 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	91.4	183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.4	183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	91.4	183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.4	183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	91.4	183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
62-53-3	Aniline	ND		ug/kg dry	183	366	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH





### Sample Information

**Client Sample ID:** SB-1 7'-9'

**York Sample ID:** 18A0266-02

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:40 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
92-87-5	Benzidine	ND		ug/kg dry	183	366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
105-60-2	Caprolactam	ND		ug/kg dry	91.4	183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
86-74-8	Carbazole	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
218-01-9	Chrysene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH



### Sample Information

**Client Sample ID:** SB-1 7'-9'

**York Sample ID:** 18A0266-02

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:40 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
86-73-7	Fluorene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
78-59-1	Isophorone	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
108-95-2	Phenol	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH
129-00-0	Pyrene	ND		ug/kg dry	45.8	91.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:11	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**



### Sample Information

**Client Sample ID:** SB-1 7'-9'

**York Sample ID:** 18A0266-02

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:40 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: 2-Fluorophenol	71.0 %			20-108						
4165-62-2	Surrogate: Phenol-d5	83.9 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	85.7 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	64.0 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	84.7 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	59.1 %			24-116						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
309-00-2	Aldrin	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 14:21	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
57-74-9	Chlordane, total	ND		ug/kg dry	36.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 14:21	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
72-20-8	Endrin	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA



### Sample Information

**Client Sample ID:** SB-1 7'-9'

**York Sample ID:** 18A0266-02

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:40 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 14:21	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.05	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
8001-35-2	Toxaphene	ND		ug/kg dry	91.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:21	SA
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
2051-24-3	Surrogate: Decachlorobiphenyl	84.7 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	84.5 %			30-150					

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:46	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:46	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:46	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:46	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:46	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:46	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:46	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 14:46	LAB
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
877-09-8	Surrogate: Tetrachloro-m-xylene	75.5 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	50.5 %			30-140					



### Sample Information

**Client Sample ID:** SB-1 7'-9'

**York Sample ID:** 18A0266-02

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:40 pm	<u>Date Received</u> 01/10/2018
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>6830</b>		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-36-0	Antimony	ND		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-38-2	<b>Arsenic</b>	<b>1.34</b>		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-39-3	<b>Barium</b>	<b>34.8</b>		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.329	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-70-2	<b>Calcium</b>	<b>832</b>		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-47-3	<b>Chromium</b>	<b>18.3</b>		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-48-4	<b>Cobalt</b>	<b>7.55</b>		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-50-8	<b>Copper</b>	<b>17.5</b>		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7439-89-6	<b>Iron</b>	<b>21800</b>		mg/kg dry	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7439-92-1	<b>Lead</b>	<b>6.19</b>		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7439-95-4	<b>Magnesium</b>	<b>1640</b>		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7439-96-5	<b>Manganese</b>	<b>421</b>		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-02-0	<b>Nickel</b>	<b>7.27</b>		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-09-7	<b>Potassium</b>	<b>933</b>		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-23-5	Sodium	ND		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-62-2	<b>Vanadium</b>	<b>29.0</b>		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML
7440-66-6	<b>Zinc</b>	<b>28.3</b>		mg/kg dry	1.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:45	BML



Sample Information

Client Sample ID: SB-1 7'-9'

York Sample ID: 18A0266-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18A0266, 811-817 Lexington Ave, Soil, January 10, 2018 12:40 pm, 01/10/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6 Mercury ND mg/kg dry 0.0329 1 EPA 7473 01/11/2018 09:48 01/11/2018 13:27 SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids \* % Solids 91.2 % 0.100 1 SM 2540G 01/11/2018 10:01 01/11/2018 14:58 TJM

Sample Information

Client Sample ID: SB-2 1'-3'

York Sample ID: 18A0266-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18A0266, 811-817 Lexington Ave, Soil, January 10, 2018 12:50 pm, 01/10/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various organics like 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.



### Sample Information

**Client Sample ID:** SB-2 1'-3'

**York Sample ID:** 18A0266-03

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:50 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	190	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
67-64-1	Acetone	ND		ug/kg dry	4.6	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
107-02-8	Acrolein	ND		ug/kg dry	4.6	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS



### Sample Information

**Client Sample ID:** SB-2 1'-3'

**York Sample ID:** 18A0266-03

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:50 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.6	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS





### Sample Information

**Client Sample ID:** SB-2 1'-3'

**York Sample ID:** 18A0266-03

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:50 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	9.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 03:20	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:20	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.9	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 03:20	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.7 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	76-130								



### Sample Information

**Client Sample ID:** SB-2 1'-3'

**York Sample ID:** 18A0266-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 12:50 pm

01/10/2018

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR



Sample Information

Client Sample ID: SB-2 1'-3'

York Sample ID: 18A0266-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 12:50 pm

01/10/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 3- & 4-Methylphenols, 3,3-Dichlorobenzidine, etc.



### Sample Information

**Client Sample ID:** SB-2 1'-3'

**York Sample ID:** 18A0266-03

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:50 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>1080</b>		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
65-85-0	Benzoic acid	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
85-68-7	<b>Benzy l butyl phthalate</b>	<b>57.5</b>	J	ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>364</b>		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
105-60-2	Caprolactam	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
86-74-8	<b>Carbazole</b>	<b>292</b>		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
218-01-9	<b>Chrysene</b>	<b>2360</b>		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>242</b>		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
132-64-9	<b>Dibenzofuran</b>	<b>87.8</b>	J	ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
206-44-0	<b>Fluoranthene</b>	<b>4480</b>		ug/kg dry	119	237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 22:13	SR
86-73-7	<b>Fluorene</b>	<b>165</b>		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR



### Sample Information

**Client Sample ID:** SB-2 1'-3'

**York Sample ID:** 18A0266-03

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:50 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
193-39-5	Indeno(1,2,3-cd)pyrene	564		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
78-59-1	Isophorone	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
85-01-8	Phenanthrene	2410		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
108-95-2	Phenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 00:40	SR
129-00-0	Pyrene	5120		ug/kg dry	119	237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 22:13	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	83.9 %	20-108
4165-62-2	Surrogate: Phenol-d5	84.2 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	83.7 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	71.6 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	88.7 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	65.5 %	24-116

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
72-55-9	4,4'-DDE	4.32		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
50-29-3	4,4'-DDT	8.61		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA



### Sample Information

**Client Sample ID:** SB-2 1'-3'

**York Sample ID:** 18A0266-03

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:50 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 20:22	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.6	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 20:22	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
72-20-8	Endrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 20:22	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.40	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA
8001-35-2	Toxaphene	ND		ug/kg dry	95.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:22	SA

**Surrogate Recoveries**

	Surrogate	Result	Acceptance Range
2051-24-3	Surrogate: Decachlorobiphenyl	89.0 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	22.8 %	30-150

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### Sample Information

**Client Sample ID:** SB-2 1'-3'

**York Sample ID:** 18A0266-03

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:50 pm	<u>Date Received</u> 01/10/2018
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:10	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:10	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:10	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:10	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:10	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:10	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:10	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 15:10	LAB
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	48.5 %	30-140							

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>7420</b>		mg/kg dry	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-36-0	<b>Antimony</b>	<b>0.762</b>		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-38-2	<b>Arsenic</b>	<b>4.84</b>		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-39-3	<b>Barium</b>	<b>174</b>		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-43-9	<b>Cadmium</b>	<b>0.824</b>		mg/kg dry	0.342	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-70-2	<b>Calcium</b>	<b>18300</b>		mg/kg dry	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-47-3	<b>Chromium</b>	<b>14.9</b>		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-48-4	<b>Cobalt</b>	<b>6.53</b>		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML



### Sample Information

**Client Sample ID:** SB-2 1'-3'

**York Sample ID:** 18A0266-03

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:50 pm	<u>Date Received</u> 01/10/2018
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	<b>Copper</b>	<b>92.3</b>		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7439-89-6	<b>Iron</b>	<b>16100</b>		mg/kg dry	2.28	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7439-92-1	<b>Lead</b>	<b>170</b>		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7439-95-4	<b>Magnesium</b>	<b>3250</b>		mg/kg dry	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7439-96-5	<b>Manganese</b>	<b>317</b>		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-02-0	<b>Nickel</b>	<b>11.9</b>		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-09-7	<b>Potassium</b>	<b>827</b>		mg/kg dry	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-22-4	Silver	ND		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-23-5	<b>Sodium</b>	<b>226</b>		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-62-2	<b>Vanadium</b>	<b>23.0</b>		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML
7440-66-6	<b>Zinc</b>	<b>233</b>		mg/kg dry	1.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 21:51	BML

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	<b>Mercury</b>	<b>4.06</b>		mg/kg dry	0.0342	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 15:21	SY

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	<b>* % Solids</b>	<b>87.8</b>		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM





### Sample Information

**Client Sample ID:** SB-2 12'-14'

**York Sample ID:** 18A0266-04

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:55 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 03:52	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 03:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	180	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS



### Sample Information

**Client Sample ID:** SB-2 12'-14'

**York Sample ID:** 18A0266-04

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:55 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
67-64-1	Acetone	ND		ug/kg dry	4.5	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
107-02-8	Acrolein	ND		ug/kg dry	4.5	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS



## Sample Information

**Client Sample ID:** SB-2 12'-14'

**York Sample ID:** 18A0266-04

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:55 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	8.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS



### Sample Information

**Client Sample ID:** SB-2 12'-14'

**York Sample ID:** 18A0266-04

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:55 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 03:52	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 03:52	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.7	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 03:52	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125
2037-26-5	Surrogate: Toluene-d8	96.9 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	76-130

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH



Sample Information

Client Sample ID: SB-2 12'-14'

York Sample ID: 18A0266-04

York Project (SDG) No. 18A0266 Client Project ID 811-817 Lexington Ave Matrix Soil Collection Date/Time January 10, 2018 12:55 pm Date Received 01/10/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 2,4-Dimethylphenol, 2,4-Dinitrophenol, etc.



### Sample Information

**Client Sample ID:** SB-2 12'-14'

**York Sample ID:** 18A0266-04

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:55 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
98-86-2	Acetophenone	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
62-53-3	Aniline	ND		ug/kg dry	174	347	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
120-12-7	Anthracene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
1912-24-9	Atrazine	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
92-87-5	Benzidine	ND		ug/kg dry	174	347	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
65-85-0	Benzoic acid	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
105-60-2	Caprolactam	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
86-74-8	Carbazole	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH



### Sample Information

**Client Sample ID:** SB-2 12'-14'

**York Sample ID:** 18A0266-04

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:55 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
206-44-0	Fluoranthene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
86-73-7	Fluorene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
78-59-1	Isophorone	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
91-20-3	Naphthalene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH



### Sample Information

Client Sample ID: SB-2 12'-14'

York Sample ID: 18A0266-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 12:55 pm

01/10/2018

#### Semi-Volatiles, 8270 - Comprehensive

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
108-95-2	Phenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
129-00-0	Pyrene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:59	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	67.8 %			20-108						
4165-62-2	Surrogate: Phenol-d5	69.6 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	74.0 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	53.3 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	67.2 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	54.6 %			24-116						

#### Pesticides, 8081 target list

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
309-00-2	Aldrin	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 14:36	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
57-74-9	Chlordane, total	ND		ug/kg dry	34.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 14:36	SA





### Sample Information

**Client Sample ID:** SB-2 12'-14'

**York Sample ID:** 18A0266-04

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:55 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
72-20-8	Endrin	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 14:36	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.58	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
8001-35-2	Toxaphene	ND		ug/kg dry	86.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 14:36	SA
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	146 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	124 %	30-150							

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:34	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:34	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:34	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:34	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:34	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:34	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:34	LAB



### Sample Information

**Client Sample ID:** SB-2 12'-14'

**York Sample ID:** 18A0266-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 12:55 pm

01/10/2018

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0173	1	EPA 8082A	01/11/2018 12:35	01/12/2018 15:34	LAB	
							Certifications:				
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	99.5 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	85.0 %	30-140								

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3360		mg/kg dry	5.22	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	0.522	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/kg dry	1.04	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	29.1		mg/kg dry	1.04	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.104	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.313	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	Calcium	713		mg/kg dry	5.22	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	7.51		mg/kg dry	0.522	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	4.42		mg/kg dry	0.522	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	10.1		mg/kg dry	0.522	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	12600		mg/kg dry	2.09	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	2.97		mg/kg dry	0.522	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	1330		mg/kg dry	5.22	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	337		mg/kg dry	0.522	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	4.83		mg/kg dry	0.522	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	497		mg/kg dry	5.22	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.04	1	EPA 6010C	01/11/2018 09:49	01/17/2018 22:11	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



### Sample Information

Client Sample ID: SB-2 12'-14'

York Sample ID: 18A0266-04

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 12:55 pm	<u>Date Received</u> 01/10/2018
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#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:11	BML
7440-23-5	Sodium	ND		mg/kg dry	10.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 22:11	BML
7440-28-0	Thallium	ND		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:11	BML
7440-62-2	Vanadium	13.8		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:11	BML
7440-66-6	Zinc	20.2		mg/kg dry	1.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:11	BML

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0313	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 13:47	SY

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.9		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM

### Sample Information

Client Sample ID: SB-3 1'-3'

York Sample ID: 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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#### Volatile Organics, 8260 - Comprehensive

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS



### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 04:24	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 04:24	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	170	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS



### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
107-02-8	Acrolein	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
71-43-2	Benzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS



### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
75-09-2	<b>Methylene chloride</b>	<b>4.9</b>	J	ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
100-42-5	Styrene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.1	8.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
108-88-3	Toluene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 04:24	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS



### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:24	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.4	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 04:24	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: Toluene-d8	95.5 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			76-130						

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.9	182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.9	182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.9	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR



### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.9	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.9	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.9	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.9	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.9	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
83-32-9	Acenaphthene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
98-86-2	Acetophenone	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR





### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/kg dry	182	364	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
120-12-7	Anthracene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
1912-24-9	Atrazine	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
92-87-5	Benzidine	ND		ug/kg dry	182	364	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
65-85-0	Benzoic acid	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
105-60-2	Caprolactam	ND		ug/kg dry	90.9	182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
86-74-8	Carbazole	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
218-01-9	Chrysene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR



### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
206-44-0	Fluoranthene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
86-73-7	Fluorene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
78-59-1	Isophorone	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
91-20-3	Naphthalene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
85-01-8	Phenanthrene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
108-95-2	Phenol	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR



### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	ND		ug/kg dry	45.6	90.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 20:34	SR
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	76.1 %			20-108						
4165-62-2	Surrogate: Phenol-d5	75.1 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	71.8 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	63.4 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	71.8 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	62.6 %			24-116						

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
309-00-2	Aldrin	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 15:37	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
57-74-9	Chlordane, total	ND		ug/kg dry	36.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 15:37	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
72-20-8	Endrin	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA



### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 15:37	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.99	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA
8001-35-2	Toxaphene	ND		ug/kg dry	91.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:37	SA

**Surrogate Recoveries**

**Result**

**Acceptance Range**

2051-24-3	Surrogate: Decachlorobiphenyl	156 %	GC-Sur	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	127 %	r	30-150

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:35	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:35	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:35	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:35	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:35	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:35	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:35	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 17:35	LAB

**Surrogate Recoveries**

**Result**

**Acceptance Range**



### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	103 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	90.5 %			30-140					

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6190		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-36-0	Antimony	ND		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-38-2	Arsenic	1.23		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-39-3	Barium	43.7		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.327	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-70-2	Calcium	499		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-47-3	Chromium	15.2		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-48-4	Cobalt	7.14		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-50-8	Copper	17.7		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7439-89-6	Iron	22700		mg/kg dry	2.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7439-92-1	Lead	4.82		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7439-95-4	Magnesium	1770		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7439-96-5	Manganese	317		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-02-0	Nickel	4.25		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-09-7	Potassium	924		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-22-4	Silver	ND		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML



### Sample Information

**Client Sample ID:** SB-3 1'-3'

**York Sample ID:** 18A0266-05

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:10 pm	<u>Date Received</u> 01/10/2018
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	ND		mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-62-2	Vanadium	27.4		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML
7440-66-6	Zinc	29.0		mg/kg dry	1.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:17	BML

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0327	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 13:55	SY

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.7		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM

### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:15 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS



### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:15 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 04:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 04:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	220	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
67-64-1	Acetone	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS



### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:15 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS





### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:15 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
75-09-2	<b>Methylene chloride</b>	<b>8.5</b>	J	ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 04:56	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS



### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:15 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 04:56	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 04:56	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	96.8 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	99.9 %			76-130						

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW



### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:15 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
91-57-6	<b>2-Methylnaphthalene</b>	<b>60.9</b>	J	ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
95-48-7	2-Methylphenol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
83-32-9	<b>Acenaphthene</b>	<b>521</b>		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
208-96-8	<b>Acenaphthylene</b>	<b>270</b>		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
98-86-2	Acetophenone	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
62-53-3	Aniline	ND		ug/kg dry	191	382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
120-12-7	<b>Anthracene</b>	<b>1800</b>		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW



### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 1:15 pm

01/10/2018

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
100-52-7	Benzaldehyde	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
92-87-5	Benzidine	ND		ug/kg dry	191	382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
56-55-3	<b>Benzo(a)anthracene</b>	<b>4090</b>		ug/kg dry	239	476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:02	SR
50-32-8	<b>Benzo(a)pyrene</b>	<b>3320</b>		ug/kg dry	239	476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:02	SR
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>3000</b>		ug/kg dry	239	476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:02	SR
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>2780</b>		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>2950</b>		ug/kg dry	239	476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:02	SR
65-85-0	Benzoic acid	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>1930</b>		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
105-60-2	Caprolactam	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
86-74-8	<b>Carbazole</b>	<b>276</b>		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
218-01-9	<b>Chrysene</b>	<b>4230</b>		ug/kg dry	239	476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:02	SR
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>726</b>		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
132-64-9	<b>Dibenzofuran</b>	<b>241</b>		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW



### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 1:15 pm

01/10/2018

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
206-44-0	<b>Fluoranthene</b>	<b>7830</b>		ug/kg dry	239	476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:02	SR
86-73-7	<b>Fluorene</b>	<b>558</b>		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
67-72-1	Hexachloroethane	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>2490</b>		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
78-59-1	Isophorone	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
91-20-3	<b>Naphthalene</b>	<b>65.5</b>	J	ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
85-01-8	<b>Phenanthrene</b>	<b>7700</b>		ug/kg dry	239	476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:02	SR
108-95-2	Phenol	ND		ug/kg dry	47.7	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/17/2018 11:27	OW
129-00-0	<b>Pyrene</b>	<b>9000</b>		ug/kg dry	239	476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/16/2018 23:02	SR
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: 2-Fluorophenol	76.2 %	20-108								
4165-62-2	Surrogate: Phenol-d5	85.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	93.6 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	77.0 %	21-113								



### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:15 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	Surrogate: 2,4,6-Tribromophenol	97.6 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	61.3 %			24-116						

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
309-00-2	Aldrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 15:52	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.6	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 15:52	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
72-20-8	Endrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA



### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

York Project (SDG) No.

Client Project ID

Matrix

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18A0266

811-817 Lexington Ave

Soil

January 10, 2018 1:15 pm

01/10/2018

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 15:52	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.39	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
8001-35-2	Toxaphene	ND		ug/kg dry	95.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 15:52	SA
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
2051-24-3	Surrogate: Decachlorobiphenyl	106 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	90.4 %			30-150					

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:00	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:00	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:00	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:00	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:00	LAB
11097-69-1	<b>Aroclor 1254</b>	<b>0.0455</b>		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:00	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:00	LAB
1336-36-3	<b>* Total PCBs</b>	<b>0.0455</b>		mg/kg dry	0.0190	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 18:00	LAB
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
877-09-8	Surrogate: Tetrachloro-m-xylene	69.5 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	69.0 %			30-140					



### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 1:15 pm

01/10/2018

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7860		mg/kg dry	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-36-0	Antimony	0.596		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-38-2	Arsenic	5.35		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-39-3	Barium	141		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-43-9	Cadmium	1.14		mg/kg dry	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-70-2	Calcium	45000		mg/kg dry	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-47-3	Chromium	12.5		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-48-4	Cobalt	5.03		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-50-8	Copper	178		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7439-89-6	Iron	14600		mg/kg dry	2.28	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7439-92-1	Lead	147		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7439-95-4	Magnesium	4510		mg/kg dry	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7439-96-5	Manganese	356		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-02-0	Nickel	11.5		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-09-7	Potassium	784		mg/kg dry	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-22-4	Silver	ND		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-23-5	Sodium	439		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-62-2	Vanadium	26.2		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML
7440-66-6	Zinc	178		mg/kg dry	1.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:23	BML





### Sample Information

**Client Sample ID:** SB-3 7.5'-9.5'

**York Sample ID:** 18A0266-06

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 1:15 pm	<u>Date Received</u> 01/10/2018
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#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	13.0		mg/kg dry	0.0343	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 15:35	SY

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.5		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM

### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:05 pm	<u>Date Received</u> 01/10/2018
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#### Volatile Organics, 8260 - Comprehensive

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 05:27	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 05:27	SS



### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:05 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	180	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
67-64-1	Acetone	ND		ug/kg dry	4.4	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
107-02-8	Acrolein	ND		ug/kg dry	4.4	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS



### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:05 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS



### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:05 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	8.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 05:27	SS
79-01-6	<b>Trichloroethylene</b>	<b>4.9</b>		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:27	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 05:27	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	95.5 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	76-130								



### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:05 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH



### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:05 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
83-32-9	<b>Acenaphthene</b>	<b>137</b>		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
98-86-2	Acetophenone	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
62-53-3	Aniline	ND		ug/kg dry	203	405	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
120-12-7	<b>Anthracene</b>	<b>55.0</b>	J	ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
1912-24-9	Atrazine	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
92-87-5	Benzidine	ND		ug/kg dry	203	405	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>153</b>		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>109</b>		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>100</b>	J	ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>60.7</b>	J	ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH



### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:05 pm

01/10/2018

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>120</b>		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
65-85-0	Benzoic acid	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>121</b>		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
105-60-2	Caprolactam	ND		ug/kg dry	101	202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
86-74-8	Carbazole	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
218-01-9	<b>Chrysene</b>	<b>176</b>		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
206-44-0	<b>Fluoranthene</b>	<b>498</b>		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
86-73-7	<b>Fluorene</b>	<b>95.5</b>	J	ug/kg dry	50.7	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH



### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

York Project (SDG) No.

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18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:05 pm

01/10/2018

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	60.7	J	ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
78-59-1	Isophorone	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
91-20-3	Naphthalene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
85-01-8	Phenanthrene	565		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
108-95-2	Phenol	ND		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH
129-00-0	Pyrene	472		ug/kg dry	50.7	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 14:53	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	71.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	77.2 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	107 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	68.4 %	21-113
1718-51-0	Surrogate: Terphenyl-d14	49.8 %	24-116

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA





### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:05 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
319-84-6	alpha-BHC	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 16:07	SA
319-85-7	beta-BHC	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
57-74-9	Chlordane, total	ND		ug/kg dry	40.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
319-86-8	delta-BHC	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
60-57-1	Dieldrin	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
959-98-8	Endosulfan I	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 16:07	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
72-20-8	Endrin	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 16:07	SA
76-44-8	Heptachlor	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
72-43-5	Methoxychlor	ND		ug/kg dry	10.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA
8001-35-2	Toxaphene	ND		ug/kg dry	101	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:07	SA

**Surrogate Recoveries**

	Surrogate	Result	Acceptance Range
2051-24-3	Surrogate: Decachlorobiphenyl	93.5 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	102 %	30-150



### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:05 pm

01/10/2018

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:24	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:24	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:24	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:24	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:24	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:24	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:24	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 18:24	LAB
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	80.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	66.5 %	30-140							

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>9340</b>		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-36-0	Antimony	ND		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-38-2	<b>Arsenic</b>	<b>3.21</b>		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-39-3	<b>Barium</b>	<b>87.5</b>		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.121	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.364	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-70-2	<b>Calcium</b>	<b>951</b>		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-47-3	<b>Chromium</b>	<b>14.4</b>		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-48-4	<b>Cobalt</b>	<b>3.93</b>		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML



### Sample Information

**Client Sample ID:** SB-4 1'-3'

**York Sample ID:** 18A0266-07

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:05 pm	<u>Date Received</u> 01/10/2018
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	36.9		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7439-89-6	Iron	14800		mg/kg dry	2.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7439-92-1	Lead	185		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7439-95-4	Magnesium	1490		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7439-96-5	Manganese	98.8		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-02-0	Nickel	7.38		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-09-7	Potassium	505		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7782-49-2	Selenium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-22-4	Silver	ND		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-23-5	Sodium	ND		mg/kg dry	12.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-28-0	Thallium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-62-2	Vanadium	20.6		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML
7440-66-6	Zinc	46.8		mg/kg dry	1.82	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:29	BML

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.492		mg/kg dry	0.0364	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 14:17	SY

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.4		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM



### Sample Information

**Client Sample ID:** SB-4 7'-9'

**York Sample ID:** 18A0266-08

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:10 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 05:59	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 05:59	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	42	170	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS



### Sample Information

**Client Sample ID:** SB-4 7'-9'

**York Sample ID:** 18A0266-08

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:10 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
67-64-1	<b>Acetone</b>	<b>39</b>	SCAL- E	ug/kg dry	4.2	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
107-02-8	Acrolein	ND		ug/kg dry	4.2	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
71-43-2	Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS



### Sample Information

**Client Sample ID:** SB-4 7'-9'

**York Sample ID:** 18A0266-08

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:10 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
75-09-2	<b>Methylene chloride</b>	<b>6.4</b>	J	ug/kg dry	4.2	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.2	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
100-42-5	Styrene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.1	8.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
108-88-3	Toluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS



### Sample Information

**Client Sample ID:** SB-4 7'-9'

**York Sample ID:** 18A0266-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:10 pm

01/10/2018

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 05:59	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 05:59	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 05:59	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	97.3 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			76-130						

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH



### Sample Information

**Client Sample ID:** SB-4 7'-9'

**York Sample ID:** 18A0266-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:10 pm

01/10/2018

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH





### Sample Information

**Client Sample ID:** SB-4 7'-9'

**York Sample ID:** 18A0266-08

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:10 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
62-53-3	Aniline	ND		ug/kg dry	183	366	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
120-12-7	Anthracene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
92-87-5	Benzidine	ND		ug/kg dry	183	366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
105-60-2	Caprolactam	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
86-74-8	Carbazole	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH



### Sample Information

**Client Sample ID:** SB-4 7'-9'

**York Sample ID:** 18A0266-08

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:10 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
86-73-7	Fluorene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
78-59-1	Isophorone	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 15:42	KH



Sample Information

Client Sample ID: SB-4 7'-9'

York Sample ID: 18A0266-08

York Project (SDG) No. 18A0266 Client Project ID 811-817 Lexington Ave Matrix Soil Collection Date/Time January 10, 2018 2:10 pm Date Received 01/10/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Phenanthrene, Phenol, Pyrene, and Surrogate Recoveries.

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, alpha-BHC, alpha-Chlordane, beta-BHC, Chlordane, total, delta-BHC, Dieldrin, Endosulfan I, and Endosulfan II.



### Sample Information

**Client Sample ID:** SB-4 7'-9'

**York Sample ID:** 18A0266-08

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:10 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:22	SA
72-20-8	Endrin	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:22	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:22	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:22	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:22	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 16:22	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:22	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:22	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.06	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:22	SA
8001-35-2	Toxaphene	ND		ug/kg dry	91.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:22	SA
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	109 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	99.4 %	30-150							

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:48	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:48	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:48	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:48	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:48	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:48	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 18:48	LAB



### Sample Information

**Client Sample ID:** SB-4 7'-9'

**York Sample ID:** 18A0266-08

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:10 pm	<u>Date Received</u> 01/10/2018
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 18:48	LAB
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	79.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	68.5 %	30-140							

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10500		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-36-0	Antimony	ND		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-38-2	Arsenic	1.57		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-39-3	Barium	45.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-70-2	Calcium	709		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-47-3	Chromium	27.4		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-48-4	Cobalt	8.79		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-50-8	Copper	18.1		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7439-89-6	Iron	27600		mg/kg dry	2.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7439-92-1	Lead	5.13		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7439-95-4	Magnesium	4730		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7439-96-5	Manganese	628		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-02-0	Nickel	7.64		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-09-7	Potassium	1720		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML



### Sample Information

**Client Sample ID:** SB-4 7'-9' **York Sample ID:** 18A0266-08  
**York Project (SDG) No.:** 18A0266 **Client Project ID:** 811-817 Lexington Ave **Matrix:** Soil **Collection Date/Time:** January 10, 2018 2:10 pm **Date Received:** 01/10/2018

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-23-5	Sodium	ND		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-62-2	Vanadium	41.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML
7440-66-6	Zinc	33.1		mg/kg dry	1.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:35	BML

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0330	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 14:25	SY

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.0		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM

### Sample Information

**Client Sample ID:** SB-5 1'-3' **York Sample ID:** 18A0266-09  
**York Project (SDG) No.:** 18A0266 **Client Project ID:** 811-817 Lexington Ave **Matrix:** Soil **Collection Date/Time:** January 10, 2018 2:20 pm **Date Received:** 01/10/2018

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS



### Sample Information

**Client Sample ID:** SB-5 1'-3'

**York Sample ID:** 18A0266-09

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:20 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 06:31	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 06:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	170	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS



### Sample Information

**Client Sample ID:** SB-5 1'-3'

**York Sample ID:** 18A0266-09

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:20 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/kg dry	4.4	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
107-02-8	Acrolein	ND		ug/kg dry	4.4	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS





### Sample Information

**Client Sample ID:** SB-5 1'-3'

**York Sample ID:** 18A0266-09

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:20 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	8.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 06:31	SS
79-01-6	<b>Trichloroethylene</b>	<b>21</b>		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS



### Sample Information

**Client Sample ID:** SB-5 1'-3'

**York Sample ID:** 18A0266-09

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:20 pm

01/10/2018

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 06:31	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 06:31	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: Toluene-d8	95.1 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	102 %			76-130						

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH



### Sample Information

**Client Sample ID:** SB-5 1'-3'

**York Sample ID:** 18A0266-09

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:20 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
83-32-9	Acenaphthene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
98-86-2	Acetophenone	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH



Sample Information

Client Sample ID: SB-5 1'-3'

York Sample ID: 18A0266-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:20 pm

01/10/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like Aniline, Anthracene, Atrazine, Benzaldehyde, Benzidine, Benzo(a)anthracene, etc.



### Sample Information

**Client Sample ID:** SB-5 1'-3'

**York Sample ID:** 18A0266-09

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:20 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
206-44-0	Fluoranthene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
86-73-7	Fluorene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
78-59-1	Isophorone	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
91-20-3	Naphthalene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
85-01-8	Phenanthrene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
108-95-2	Phenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH



### Sample Information

**Client Sample ID:** SB-5 1'-3'

**York Sample ID:** 18A0266-09

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:20 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 16:32	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	62.1 %			20-108						
4165-62-2	Surrogate: Phenol-d5	68.2 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	88.1 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	56.9 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	81.1 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	53.8 %			24-116						

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
309-00-2	Aldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 16:37	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 16:37	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
72-20-8	Endrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA



### Sample Information

**Client Sample ID:** SB-5 1'-3'

**York Sample ID:** 18A0266-09

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:20 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 16:37	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.27	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
8001-35-2	Toxaphene	ND		ug/kg dry	93.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:37	SA
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	124 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	110 %	30-150							

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:12	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:12	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:12	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:12	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:12	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:12	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:12	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 19:12	LAB
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	90.5 %	30-140							



### Sample Information

**Client Sample ID:** SB-5 1'-3'

**York Sample ID:** 18A0266-09

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:20 pm	<u>Date Received</u> 01/10/2018
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	81.0 %			30-140					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8030		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-36-0	Antimony	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-38-2	Arsenic	2.37		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-39-3	Barium	40.7		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-43-9	Cadmium	10.2		mg/kg dry	0.337	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-70-2	Calcium	530		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-47-3	Chromium	12.8		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-48-4	Cobalt	3.90		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-50-8	Copper	49.1		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7439-89-6	Iron	10900		mg/kg dry	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7439-92-1	Lead	26.3		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7439-95-4	Magnesium	1230		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7439-96-5	Manganese	125		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-02-0	Nickel	7.24		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-09-7	Potassium	429		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7782-49-2	Selenium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-22-4	Silver	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-23-5	Sodium	ND		mg/kg dry	11.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 22:40	BML





### Sample Information

**Client Sample ID:** SB-5 1'-3' **York Sample ID:** 18A0266-09

**York Project (SDG) No.** 18A0266 **Client Project ID** 811-817 Lexington Ave **Matrix** Soil **Collection Date/Time** January 10, 2018 2:20 pm **Date Received** 01/10/2018

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-62-2	Vanadium	16.5		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML
7440-66-6	Zinc	133		mg/kg dry	1.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:40	BML

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 14:34	SY

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.0		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM

### Sample Information

**Client Sample ID:** SB-5 7'-9' **York Sample ID:** 18A0266-10

**York Project (SDG) No.** 18A0266 **Client Project ID** 811-817 Lexington Ave **Matrix** Soil **Collection Date/Time** January 10, 2018 2:25 pm **Date Received** 01/10/2018

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 07:03	SS



### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:25 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 07:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	190	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.4	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
67-64-1	Acetone	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS



### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:25 pm

01/10/2018

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS



### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:25 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	9.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 07:03	SS
79-01-6	<b>Trichloroethylene</b>	<b>54</b>		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:03	SS



### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:25 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 07:03	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %			77-125						
2037-26-5	Surrogate: Toluene-d8	95.8 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	100 %			76-130						

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	107	215	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	107	215	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	107	215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH



### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:25 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	107	215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	107	215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	107	215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	107	215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	107	215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
83-32-9	Acenaphthene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
98-86-2	Acetophenone	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
62-53-3	Aniline	ND		ug/kg dry	215	430	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
120-12-7	Anthracene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH



### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:25 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
92-87-5	Benzidine	ND		ug/kg dry	215	430	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
65-85-0	Benzoic acid	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
105-60-2	Caprolactam	ND		ug/kg dry	107	215	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
86-74-8	Carbazole	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
218-01-9	Chrysene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH



### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:25 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
206-44-0	Fluoranthene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
86-73-7	Fluorene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
78-59-1	Isophorone	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
91-20-3	Naphthalene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
85-01-8	Phenanthrene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
108-95-2	Phenol	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
129-00-0	Pyrene	ND		ug/kg dry	53.9	107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/15/2018 17:22	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	70.7 %			20-108						
4165-62-2	Surrogate: Phenol-d5	77.3 %			23-114						





### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:25 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: Nitrobenzene-d5	92.6 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	64.1 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	85.0 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	55.2 %			24-116						

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
309-00-2	Aldrin	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
319-84-6	alpha-BHC	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 16:52	SA
319-85-7	beta-BHC	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
57-74-9	Chlordane, total	ND		ug/kg dry	42.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
319-86-8	delta-BHC	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
60-57-1	Dieldrin	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
959-98-8	Endosulfan I	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 16:52	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
72-20-8	Endrin	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA



### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:25 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 16:52	SA
76-44-8	Heptachlor	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
72-43-5	Methoxychlor	ND		ug/kg dry	10.6	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
8001-35-2	Toxaphene	ND		ug/kg dry	108	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 16:52	SA
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	139 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	106 %	30-150							

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:36	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:36	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:36	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:36	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:36	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:36	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 19:36	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0215	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 19:36	LAB
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	83.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	73.0 %	30-140							



### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:25 pm	<u>Date Received</u> 01/10/2018
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	15900		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-36-0	Antimony	1.19		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-38-2	Arsenic	3.39		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-39-3	Barium	105		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.129	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-43-9	Cadmium	0.468		mg/kg dry	0.387	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-70-2	Calcium	1340		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-47-3	Chromium	50.5		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-48-4	Cobalt	14.1		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-50-8	Copper	30.4		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7439-89-6	Iron	34300		mg/kg dry	2.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7439-92-1	Lead	8.40		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7439-95-4	Magnesium	5250		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7439-96-5	Manganese	416		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-02-0	Nickel	15.6		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-09-7	Potassium	2550		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7782-49-2	Selenium	ND		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-22-4	Silver	ND		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-23-5	Sodium	ND		mg/kg dry	12.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-28-0	Thallium	ND		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-62-2	Vanadium	52.2		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML
7440-66-6	Zinc	61.2		mg/kg dry	1.93	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:46	BML



### Sample Information

**Client Sample ID:** SB-5 7'-9'

**York Sample ID:** 18A0266-10

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:25 pm	<u>Date Received</u> 01/10/2018
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**Mercury by 7473**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0387	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 14:42	SY

**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	77.6		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM

### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:50 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 07:35	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 07:35	SS



### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:50 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	180	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
67-64-1	Acetone	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
107-02-8	Acrolein	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS



### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:50 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS



### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:50 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	9.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
127-18-4	<b>Tetrachloroethylene</b>	<b>2.9</b>	J	ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 07:35	SS
79-01-6	<b>Trichloroethylene</b>	<b>4.9</b>		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 07:35	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.7	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 07:35	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: Toluene-d8	95.5 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	76-130								



### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:50 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	92.5	185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	92.5	185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	92.5	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	92.5	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH





### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:50 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	92.5	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	92.5	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.5	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	92.5	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
83-32-9	Acenaphthene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
98-86-2	Acetophenone	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
62-53-3	Aniline	ND		ug/kg dry	185	370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
120-12-7	Anthracene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
1912-24-9	Atrazine	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
92-87-5	Benzidine	ND		ug/kg dry	185	370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH



### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:50 pm

01/10/2018

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
65-85-0	Benzoic acid	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
105-60-2	Caprolactam	ND		ug/kg dry	92.5	185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
86-74-8	Carbazole	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
218-01-9	Chrysene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
206-44-0	Fluoranthene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
86-73-7	Fluorene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH



### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:50 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
78-59-1	Isophorone	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
91-20-3	Naphthalene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
85-01-8	Phenanthrene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
108-95-2	Phenol	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
129-00-0	Pyrene	ND		ug/kg dry	46.4	92.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 17:13	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: 2-Fluorophenol	48.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	50.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	75.8 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	65.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	98.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	58.3 %	24-116								

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA



### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:50 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
309-00-2	Aldrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 17:07	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
57-74-9	Chlordane, total	ND		ug/kg dry	36.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 17:07	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
72-20-8	Endrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 17:07	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.12	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA
8001-35-2	Toxaphene	ND		ug/kg dry	92.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:07	SA

Surrogate Recoveries

Result

Acceptance Range



### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:50 pm

01/10/2018

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	116 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	113 %			30-150					

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:00	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:00	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:00	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:00	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:00	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:00	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:00	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 20:00	LAB

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	93.0 %			30-140
2051-24-3	Surrogate: Decachlorobiphenyl	78.5 %			30-140

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8910		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-36-0	Antimony	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-38-2	Arsenic	2.08		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-39-3	Barium	56.7		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML



### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:50 pm	<u>Date Received</u> 01/10/2018
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/kg dry	0.333	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-70-2	Calcium	1150		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-47-3	Chromium	10.6		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-48-4	Cobalt	4.27		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-50-8	Copper	6.88		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7439-89-6	Iron	9770		mg/kg dry	2.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7439-92-1	Lead	21.7		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7439-95-4	Magnesium	1280		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7439-96-5	Manganese	403		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-02-0	Nickel	7.08		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-09-7	Potassium	455		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-23-5	Sodium	ND		mg/kg dry	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-62-2	Vanadium	14.0		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML
7440-66-6	Zinc	18.3		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:52	BML

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.289		mg/kg dry	0.0333	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 14:51	SY



### Sample Information

**Client Sample ID:** SB-6 1'-3'

**York Sample ID:** 18A0266-11

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:50 pm	<u>Date Received</u> 01/10/2018
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**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.2		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM

### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:55 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 08:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 08:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS



### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:55 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	170	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
67-64-1	Acetone	ND		ug/kg dry	4.3	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
107-02-8	Acrolein	ND		ug/kg dry	4.3	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS





### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:55 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.3	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS



### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:55 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	8.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH	01/12/2018 13:55	01/13/2018 08:07	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/12/2018 13:55	01/13/2018 08:07	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/12/2018 13:55	01/13/2018 08:07	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	77-125
2037-26-5	Surrogate: Toluene-d8	97.2 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	76-130

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH



### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:55 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH



### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:55 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
83-32-9	Acenaphthene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
98-86-2	Acetophenone	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
62-53-3	Aniline	ND		ug/kg dry	177	355	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
120-12-7	Anthracene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
1912-24-9	Atrazine	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
92-87-5	Benzidine	ND		ug/kg dry	177	355	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
65-85-0	Benzoic acid	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH



### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:55 pm

01/10/2018

**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
105-60-2	Caprolactam	ND		ug/kg dry	88.6	177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
86-74-8	Carbazole	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
218-01-9	Chrysene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
206-44-0	Fluoranthene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
86-73-7	Fluorene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH



### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:55 pm	<u>Date Received</u> 01/10/2018
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**Semi-Volatiles, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
78-59-1	Isophorone	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
91-20-3	Naphthalene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
85-01-8	Phenanthrene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
108-95-2	Phenol	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH
129-00-0	Pyrene	ND		ug/kg dry	44.4	88.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:40	01/12/2018 19:59	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	66.5 %	20-108
4165-62-2	Surrogate: Phenol-d5	77.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	83.6 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	55.9 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	83.5 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	59.1 %	24-116

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
309-00-2	Aldrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA



### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:55 pm	<u>Date Received</u> 01/10/2018
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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 17:22	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
57-74-9	Chlordane, total	ND		ug/kg dry	35.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH	01/11/2018 12:35	01/12/2018 17:22	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
72-20-8	Endrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/11/2018 12:35	01/12/2018 17:22	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
8001-35-2	Toxaphene	ND		ug/kg dry	88.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 17:22	SA
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	145 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	122 %	30-150							



### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

18A0266

811-817 Lexington Ave

Soil

January 10, 2018 2:55 pm

01/10/2018

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:24	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:24	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:24	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:24	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:24	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:24	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/11/2018 12:35	01/12/2018 20:24	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	01/11/2018 12:35	01/12/2018 20:24	LAB

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	95.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	88.0 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>6080</b>		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-36-0	Antimony	ND		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-38-2	<b>Arsenic</b>	<b>2.09</b>		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-39-3	<b>Barium</b>	<b>50.7</b>		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.320	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-70-2	<b>Calcium</b>	<b>1030</b>		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-47-3	<b>Chromium</b>	<b>16.6</b>		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-48-4	<b>Cobalt</b>	<b>7.64</b>		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML





### Sample Information

**Client Sample ID:** SB-6 8'-10'

**York Sample ID:** 18A0266-12

<u>York Project (SDG) No.</u> 18A0266	<u>Client Project ID</u> 811-817 Lexington Ave	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 10, 2018 2:55 pm	<u>Date Received</u> 01/10/2018
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	16.0		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7439-89-6	Iron	20700		mg/kg dry	2.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7439-92-1	Lead	5.33		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7439-95-4	Magnesium	1570		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7439-96-5	Manganese	500		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-02-0	Nickel	6.19		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-09-7	Potassium	1190		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-22-4	Silver	ND		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-23-5	Sodium	ND		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-62-2	Vanadium	25.1		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML
7440-66-6	Zinc	24.9		mg/kg dry	1.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/11/2018 09:49	01/17/2018 22:58	BML

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0320	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/11/2018 09:48	01/11/2018 15:00	SY

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.8		%	0.100	1	SM 2540G Certifications: CTDOH	01/11/2018 10:01	01/11/2018 14:58	TJM



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18A0266-01	SB-1 1'-3'	40mL Vial with Stir Bar-Cool 4° C
18A0266-02	SB-1 7'-9'	40mL Vial with Stir Bar-Cool 4° C
18A0266-03	SB-2 1'-3'	40mL Vial with Stir Bar-Cool 4° C
18A0266-04	SB-2 12'-14'	40mL Vial with Stir Bar-Cool 4° C
18A0266-05	SB-3 1'-3'	40mL Vial with Stir Bar-Cool 4° C
18A0266-06	SB-3 7.5'-9.5'	40mL Vial with Stir Bar-Cool 4° C
18A0266-07	SB-4 1'-3'	40mL Vial with Stir Bar-Cool 4° C
18A0266-08	SB-4 7'-9'	40mL Vial with Stir Bar-Cool 4° C
18A0266-09	SB-5 1'-3'	40mL Vial with Stir Bar-Cool 4° C
18A0266-10	SB-5 7'-9'	40mL Vial with Stir Bar-Cool 4° C
18A0266-11	SB-6 1'-3'	40mL Vial with Stir Bar-Cool 4° C
18A0266-12	SB-6 8'-10'	40mL Vial with Stir Bar-Cool 4° C



## Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.



If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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YORK ANALYTICAL LABORATORIES  
120 RESEARCH DR.  
STRATFORD, CT 06615  
(203) 325-1371  
FAX (203) 357-0166

# Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 18A0266

<b>YOUR INFORMATION</b> Company: <u>ALC Environmental</u> Address: <u>121 W 27 St.</u> <u>New York, NY 10001</u> Phone No. <u>212-675-5544</u> Contact Person: <u>Brian Muller</u> E-Mail Address: _____		<b>Report To:</b> Company: <u>Same</u> Address: <u>Same</u> Phone No. <u>Same</u> Attention: <u>Cheryl Bernagay</u> E-Mail Address: _____		<b>Invoice To:</b> Company: <u>Same</u> Address: <u>Same</u> Phone No. <u>Same</u> Attention: <u>Cheryl Bernagay</u> E-Mail Address: _____		<b>YOUR PROJECT ID</b> Purchase Order No. _____ Samples from: CT ___ NY <u>X</u> NJ ___		<b>Turn-Around Time</b> <input type="checkbox"/> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input checked="" type="checkbox"/> Standard (5-7 Days)		<b>Report Type</b> <input type="checkbox"/> Summary Report <input type="checkbox"/> Summary w/ QA Summary <input type="checkbox"/> CT RCP Package <input type="checkbox"/> CTRCP DQA/DUE Pkg <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> NJDEP Red. Deliv. <u>Electronic Data Deliverables (EDD)</u> <input type="checkbox"/> Simple Excel <input type="checkbox"/> NYSDEC EQuls <input type="checkbox"/> EQuls (std) <input type="checkbox"/> EZ-EDD (EQuls) <input type="checkbox"/> NJDEP SRP HazSite EDD <input type="checkbox"/> GIS/KEY (std) <input type="checkbox"/> Other _____ <b>York Regulatory Comparison</b> <input type="checkbox"/> Excel Spreadsheet Compare to the following Regs. (please fill in): _____	
<b>Matrix Codes</b> S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		<b>Volatiles</b> 8260 full TICs 624 Site Spec. STARS list Nassau Co. BTEX Suffolk Co. MTBE Ketones TCL list Oxygenates TAGM list TCLP list CT RCP list 524.2 Arom. only 502.2 Halog. only NJDEP list App. IX list SFLP or TCLP 8021B list		<b>Semi-Vols. / Pest/Chl/Herb</b> 8270 or 625 8082PCB STARS list 8081Pest BN Only 8151Herb Acids Only CT RCP PAH list App. IX TAGM list Site Spec. CT RCP list SFLP or TCLP TCL list TCLP Pest NJDEP list TCLP Herb App. IX Chlordane SFLP or TCLP 608 Pest 608 PCB		<b>Metals</b> RCRA8 PPL3 list TAL CT115 list TAGM list NJDEP list Total Dissolved SFLP or TCLP Ind. Metals LIST Below		<b>Misc. Org.</b> TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium		<b>Full Lists</b> Pri. Poll. TCL Ogarks TAL MetCN Full TCLP Full App. IX Part 360-Routine Part 360-Residue Part 360-Residue Part 360-Residue Part 360-Residue NYDEP Sewer TOC NYDEP Sewer Asbestos TAGM Silica	

**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

Samples Collected/Authorized By (Signature)  
Brian Muller  
Name (printed)  
Brian Muller

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-1 1'-3'	1/10/18 12:35	S	VOCs, SVOCs, TAL METALS, PCBs, PESTICIDES	
SB-1 7'-9'	12:40			
SB-2 1'-3'	12:50			
SB-2 12'-14'	12:55			
SB-3 1'-3'	13:10			
SB-3 7'-9'-9.5'	13:15			
SB-4 1'-3'	14:05			
SB-4 7'-9'	14:10			
SB-5 1'-3'	14:20			

4°C  Frozen  HCl  MeOH  HNO<sub>3</sub>  H<sub>2</sub>SO<sub>4</sub>  NaOH

Other

Preservation Check those Applicable  
 Special Instructions  
 Field Filtered   
 Lab to Filter

Comments

Samples Relinquished By Brian Muller Date/Time 1/10/18 17:55  
 Samples Relinquished By Cheryl Bernagay Date/Time 1/10/18 6:38  
 Samples Received By Alora H. Swank Date/Time 1/10/18 17:55  
 Samples Received in LAB by Cheryl Bernagay Date/Time 1/10/18 19:53  
 Temperature on Receipt 2.2 °C



YORK ANALYTICAL LABORATORIES  
120 RESEARCH DR.  
STRATFORD, CT 06615  
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FAX (203) 357-0166

# Field Chain-of-Custody Record

**NOTE:** York's Std. Terms & Conditions are listed on the back side of this document.  
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 18A0266

<b>YOUR Information</b> Company: <u>ALC Environmental</u> Address: <u>121 W 27th St.</u> <u>New York, NY 10001</u> Phone No. <u>212 675 5544</u> Contact Person: <u>Brian Mulder</u> E-Mail Address: <u>brian.mulder@alc.com</u>	<b>Report To:</b> Company: <u>Same</u> Address: <u>Same</u> Phone No. <u>Cheryl Bernergh</u> Attention: <u>Cheryl Bernergh</u> E-Mail Address:	<b>Invoice To:</b> Company: <u>Same</u> Address: Phone No. Attention: <u>Cheryl Bernergh</u> E-Mail Address:	<b>YOUR Project ID</b> Purchase Order No.	<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard(5-7 Days) <input checked="" type="checkbox"/>	<b>Report Type</b> Summary Report Summary w/ QA Summary CT RCP Package CTRCP DOA/DUE Pkg NY ASP A Package NY ASP B Package NJDEP Red. Deliv. <u>Electronic Data Deliverables (EDD)</u> Simple Excel NYSDEC EQulS EQulS (std) EZ-EDD (EQulS) NJDEP SRP HazSite EDD GIS/KEY (std) Other York Regulatory Comparison <b>Excel Spreadsheet</b> Compare to the following Regs. (please fill in):
<p><b>Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.</b></p> <p><u>Brian Mulder</u> Samples Collected/Authorized By (Signature) <u>Brian Mulder</u> Name (printed)</p>			<p><b>Choose Analyses Needed from the Menu Above and Enter Below</b></p> <p><u>VOCS, SVOCs, TAL METALS, PCBs, PESTICIDES</u></p> <p>↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓</p>		

Sample Identification	Date/Time Sampled	Sample Matrix	4°C	Frozen	HCl	MeOH	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	Temperature on Receipt
SB-5 7'-9'	11/18 1425	S ↓								
SB-6 1'-3'	↓ 1450	↓								
SB-6 8'-10'	↓ 1455	↓								

Preservation Check those Applicable  
Special Instructions  
Field Filtered   
Lab to Filter

Samples Relinquished By [Signature] Date/Time 11/18 17:55  
Samples Relinquished By [Signature] Date/Time 11/18 6:30

Samples Received By Alene A Sank Date/Time 11/18 17:55  
Samples Received in LAB by [Signature] Date/Time 11/18 19:53

Temperature on Receipt 2.2°C



# Technical Report

prepared for:

**ALC Environmental, Inc.**  
121 West 27th St., 402  
New York NY, 10001  
**Attention: Cheryl Benmergui**

Report Date: 01/17/2018  
**Client Project ID: 811-817 Lexington Ave.**  
York Project (SDG) No.: 18A0300

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
www.YORKLAB.com

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
ClientServices@yorklab.com

Report Date: 01/17/2018  
Client Project ID: 811-817 Lexington Ave.  
York Project (SDG) No.: 18A0300

**ALC Environmental, Inc.**  
121 West 27th St., 402  
New York NY, 10001  
Attention: Cheryl Benmergui

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 10, 2018 and listed below. The project was identified as your project: **811-817 Lexington Ave.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18A0300-01	SV-01	Soil Vapor	01/10/2018	01/10/2018
18A0300-02	SV-02	Soil Vapor	01/10/2018	01/10/2018
18A0300-03	SV-03	Soil Vapor	01/10/2018	01/10/2018
18A0300-04	SV-04	Soil Vapor	01/10/2018	01/10/2018
18A0300-05	SV-05	Soil Vapor	01/10/2018	01/10/2018
18A0300-06	SV-06	Soil Vapor	01/10/2018	01/10/2018
18A0300-07	IA-01	Indoor Ambient Air	01/10/2018	01/10/2018
18A0300-08	OA-01	Outdoor Ambient Ai	01/10/2018	01/10/2018



## **General Notes for York Project (SDG) No.: 18A0300**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 01/17/2018





## Sample Information

**Client Sample ID:** SV-01

**York Sample ID:** 18A0300-01

<u>York Project (SDG) No.</u> 18A0300	<u>Client Project ID</u> 811-817 Lexington Ave.	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> January 10, 2018 3:00 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, EPA TO15 Full List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.90	1.318	EPA TO-15 Certifications:	01/12/2018 21:56	01/12/2018 21:56	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.72	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.90	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.0	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.72	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.53	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.13	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.98	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>7.1</b>		ug/m <sup>3</sup>	0.65	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.0	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
95-50-1	<b>1,2-Dichlorobenzene</b>	<b>1.2</b>		ug/m <sup>3</sup>	0.79	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.53	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.61	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.92	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>3.6</b>		ug/m <sup>3</sup>	0.65	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
106-99-0	<b>1,3-Butadiene</b>	<b>47</b>		ug/m <sup>3</sup>	0.87	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
541-73-1	<b>1,3-Dichlorobenzene</b>	<b>4.0</b>		ug/m <sup>3</sup>	0.79	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.61	1.318	EPA TO-15 Certifications:	01/12/2018 21:56	01/12/2018 21:56	LDS
106-46-7	<b>1,4-Dichlorobenzene</b>	<b>1.6</b>		ug/m <sup>3</sup>	0.79	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.95	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
78-93-3	<b>2-Butanone</b>	<b>18</b>		ug/m <sup>3</sup>	0.39	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS



### Sample Information

**Client Sample ID:** SV-01

**York Sample ID:** 18A0300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	7.0		ug/m <sup>3</sup>	1.1	1.318	EPA TO-15 Certifications:	01/12/2018 21:56	01/12/2018 21:56	LDS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.1	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.54	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
67-64-1	Acetone	51		ug/m <sup>3</sup>	0.63	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.29	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
71-43-2	Benzene	54		ug/m <sup>3</sup>	0.42	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.68	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.88	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.4	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.51	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
75-15-0	Carbon disulfide	22		ug/m <sup>3</sup>	0.41	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
56-23-5	Carbon tetrachloride	0.33		ug/m <sup>3</sup>	0.21	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
108-90-7	Chlorobenzene	11		ug/m <sup>3</sup>	0.61	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.35	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
67-66-3	Chloroform	5.1		ug/m <sup>3</sup>	0.64	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
74-87-3	Chloromethane	2.6		ug/m <sup>3</sup>	0.27	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.13	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.60	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
110-82-7	Cyclohexane	6.9		ug/m <sup>3</sup>	0.45	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.1	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
75-71-8	Dichlorodifluoromethane	2.9		ug/m <sup>3</sup>	0.65	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
141-78-6	* Ethyl acetate	4.1		ug/m <sup>3</sup>	0.95	1.318	EPA TO-15 Certifications:	01/12/2018 21:56	01/12/2018 21:56	LDS



### Sample Information

**Client Sample ID:** SV-01

**York Sample ID:** 18A0300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	8.1		ug/m <sup>3</sup>	0.57	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.4	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
67-63-0	Isopropanol	10		ug/m <sup>3</sup>	0.65	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.54	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.48	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
75-09-2	Methylene chloride	2.8		ug/m <sup>3</sup>	0.92	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
142-82-5	n-Heptane	46		ug/m <sup>3</sup>	0.54	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
110-54-3	n-Hexane	81		ug/m <sup>3</sup>	0.46	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
95-47-6	o-Xylene	16		ug/m <sup>3</sup>	0.57	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
179601-23-1	p- & m- Xylenes	19		ug/m <sup>3</sup>	1.1	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
622-96-8	* p-Ethyltoluene	8.4		ug/m <sup>3</sup>	0.65	1.318	EPA TO-15 Certifications:	01/12/2018 21:56	01/12/2018 21:56	LDS
115-07-1	* Propylene	610		ug/m <sup>3</sup>	2.3	13.17	EPA TO-15 Certifications:	01/15/2018 11:57	01/15/2018 15:24	LDS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.56	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
127-18-4	Tetrachloroethylene	15		ug/m <sup>3</sup>	0.22	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
109-99-9	* Tetrahydrofuran	36		ug/m <sup>3</sup>	0.78	1.318	EPA TO-15 Certifications:	01/12/2018 21:56	01/12/2018 21:56	LDS
108-88-3	Toluene	34		ug/m <sup>3</sup>	0.50	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.52	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.60	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
79-01-6	Trichloroethylene	44		ug/m <sup>3</sup>	0.18	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	4.5		ug/m <sup>3</sup>	0.74	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.46	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.58	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS



### Sample Information

**Client Sample ID:** SV-01

**York Sample ID:** 18A0300-01

<u>York Project (SDG) No.</u> 18A0300	<u>Client Project ID</u> 811-817 Lexington Ave.	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> January 10, 2018 3:00 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.084	1.318	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 21:56	01/12/2018 21:56	LDS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	115 %			70-130					
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	112 %			70-130					

### Sample Information

**Client Sample ID:** SV-02

**York Sample ID:** 18A0300-02

<u>York Project (SDG) No.</u> 18A0300	<u>Client Project ID</u> 811-817 Lexington Ave.	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> January 10, 2018 3:00 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.91	1.331	EPA TO-15 Certifications:	01/12/2018 23:02	01/12/2018 23:02	LDS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.73	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.91	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.0	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.73	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.54	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.13	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.99	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>4.7</b>		ug/m <sup>3</sup>	0.65	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.0	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
95-50-1	<b>1,2-Dichlorobenzene</b>	<b>1.0</b>		ug/m <sup>3</sup>	0.80	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.54	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS



### Sample Information

**Client Sample ID:** SV-02

**York Sample ID:** 18A0300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.62	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.93	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>1.8</b>		ug/m <sup>3</sup>	0.65	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.88	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
541-73-1	<b>1,3-Dichlorobenzene</b>	<b>3.0</b>		ug/m <sup>3</sup>	0.80	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.62	1.331	EPA TO-15 Certifications:	01/12/2018 23:02	01/12/2018 23:02	LDS
106-46-7	<b>1,4-Dichlorobenzene</b>	<b>1.4</b>		ug/m <sup>3</sup>	0.80	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.96	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
78-93-3	<b>2-Butanone</b>	<b>9.5</b>		ug/m <sup>3</sup>	0.39	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
591-78-6	* <b>2-Hexanone</b>	<b>4.9</b>		ug/m <sup>3</sup>	1.1	1.331	EPA TO-15 Certifications:	01/12/2018 23:02	01/12/2018 23:02	LDS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.1	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.55	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
67-64-1	<b>Acetone</b>	<b>30</b>		ug/m <sup>3</sup>	0.63	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.29	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
71-43-2	<b>Benzene</b>	<b>20</b>		ug/m <sup>3</sup>	0.43	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.69	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.89	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.4	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.52	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
75-15-0	<b>Carbon disulfide</b>	<b>4.7</b>		ug/m <sup>3</sup>	0.41	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
56-23-5	<b>Carbon tetrachloride</b>	<b>1.8</b>		ug/m <sup>3</sup>	0.21	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
108-90-7	<b>Chlorobenzene</b>	<b>7.4</b>		ug/m <sup>3</sup>	0.61	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS



### Sample Information

**Client Sample ID:** SV-02

**York Sample ID:** 18A0300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.35	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
67-66-3	<b>Chloroform</b>	<b>6.6</b>		ug/m <sup>3</sup>	0.65	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
74-87-3	<b>Chloromethane</b>	<b>1.2</b>		ug/m <sup>3</sup>	0.27	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.37</b>		ug/m <sup>3</sup>	0.13	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.60	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
110-82-7	<b>Cyclohexane</b>	<b>3.4</b>		ug/m <sup>3</sup>	0.46	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.1	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.2</b>		ug/m <sup>3</sup>	0.66	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
141-78-6	* Ethyl acetate	<b>1.7</b>		ug/m <sup>3</sup>	0.96	1.331	EPA TO-15 Certifications:	01/12/2018 23:02	01/12/2018 23:02	LDS
100-41-4	<b>Ethyl Benzene</b>	<b>5.1</b>		ug/m <sup>3</sup>	0.58	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.4	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
67-63-0	<b>Isopropanol</b>	<b>3.1</b>		ug/m <sup>3</sup>	0.65	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.54	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.48	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	0.92	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
142-82-5	<b>n-Heptane</b>	<b>38</b>		ug/m <sup>3</sup>	0.55	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
110-54-3	<b>n-Hexane</b>	<b>79</b>		ug/m <sup>3</sup>	0.47	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
95-47-6	<b>o-Xylene</b>	<b>11</b>		ug/m <sup>3</sup>	0.58	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>12</b>		ug/m <sup>3</sup>	1.2	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
622-96-8	* <b>p-Ethyltoluene</b>	<b>5.9</b>		ug/m <sup>3</sup>	0.65	1.331	EPA TO-15 Certifications:	01/12/2018 23:02	01/12/2018 23:02	LDS
115-07-1	* <b>Propylene</b>	<b>170</b>		ug/m <sup>3</sup>	2.3	13.31	EPA TO-15 Certifications:	01/15/2018 11:57	01/15/2018 16:25	LDS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.57	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
127-18-4	<b>Tetrachloroethylene</b>	<b>450</b>	E	ug/m <sup>3</sup>	0.23	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS



### Sample Information

Client Sample ID: SV-02

York Sample ID: 18A0300-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

#### Volatile Organics, EPA TO15 Full List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.79	1.331	EPA TO-15 Certifications:	01/12/2018 23:02	01/12/2018 23:02	LDS
108-88-3	<b>Toluene</b>	<b>20</b>		ug/m <sup>3</sup>	0.50	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.53	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.60	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
79-01-6	<b>Trichloroethylene</b>	<b>970</b>		ug/m <sup>3</sup>	1.8	13.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/15/2018 11:57	01/15/2018 16:25	LDS
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>5.0</b>		ug/m <sup>3</sup>	0.75	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.47	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.58	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.085	1.331	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/12/2018 23:02	01/12/2018 23:02	LDS
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
460-00-4	Surrogate: p-Bromofluorobenzene	111 %					70-130			
460-00-4	Surrogate: p-Bromofluorobenzene	117 %					70-130			

### Sample Information

Client Sample ID: SV-03

York Sample ID: 18A0300-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

#### Volatile Organics, EPA TO15 Full List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND	IS-LO	ug/m <sup>3</sup>	0.87	1.272	EPA TO-15 Certifications:	01/13/2018 00:08	01/13/2018 00:08	LDS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>0.83</b>		ug/m <sup>3</sup>	0.69	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/m <sup>3</sup>	0.87	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.97	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS





### Sample Information

**Client Sample ID:** SV-03

**York Sample ID:** 18A0300-03

York Project (SDG) No.

Client Project ID

Matrix

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18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.69	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.51	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.13	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/m <sup>3</sup>	0.94	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>510</b>	IS-LO	ug/m <sup>3</sup>	6.3	12.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/15/2018 11:57	01/15/2018 17:25	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.98	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
95-50-1	<b>1,2-Dichlorobenzene</b>	<b>1.5</b>	IS-LO	ug/m <sup>3</sup>	0.76	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.51	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.59	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.89	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>220</b>	IS-LO	ug/m <sup>3</sup>	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
106-99-0	<b>1,3-Butadiene</b>	<b>52</b>		ug/m <sup>3</sup>	0.84	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
541-73-1	<b>1,3-Dichlorobenzene</b>	<b>5.0</b>	IS-LO	ug/m <sup>3</sup>	0.76	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.59	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
106-46-7	<b>1,4-Dichlorobenzene</b>	<b>2.1</b>	IS-LO	ug/m <sup>3</sup>	0.76	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.92	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
78-93-3	<b>2-Butanone</b>	<b>12</b>		ug/m <sup>3</sup>	0.38	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
591-78-6	* <b>2-Hexanone</b>	<b>71</b>		ug/m <sup>3</sup>	1.0	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.0	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.52	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
67-64-1	<b>Acetone</b>	<b>35</b>		ug/m <sup>3</sup>	0.60	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.28	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS



### Sample Information

**Client Sample ID:** SV-03

**York Sample ID:** 18A0300-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	<b>Benzene</b>	<b>47</b>		ug/m <sup>3</sup>	0.41	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
100-44-7	Benzyl chloride	ND	IS-LO	ug/m <sup>3</sup>	0.66	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.85	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
75-25-2	Bromoform	ND	IS-LO	ug/m <sup>3</sup>	1.3	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.49	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
75-15-0	<b>Carbon disulfide</b>	<b>22</b>		ug/m <sup>3</sup>	0.40	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
56-23-5	<b>Carbon tetrachloride</b>	<b>0.40</b>		ug/m <sup>3</sup>	0.20	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
108-90-7	<b>Chlorobenzene</b>	<b>11</b>	IS-LO	ug/m <sup>3</sup>	0.59	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.34	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
67-66-3	<b>Chloroform</b>	<b>4.2</b>		ug/m <sup>3</sup>	0.62	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
74-87-3	<b>Chloromethane</b>	<b>0.95</b>		ug/m <sup>3</sup>	0.26	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.81</b>		ug/m <sup>3</sup>	0.13	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.58	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
110-82-7	<b>Cyclohexane</b>	<b>5.0</b>		ug/m <sup>3</sup>	0.44	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.1	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>1.8</b>		ug/m <sup>3</sup>	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
141-78-6	* <b>Ethyl acetate</b>	<b>3.3</b>		ug/m <sup>3</sup>	0.92	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
100-41-4	<b>Ethyl Benzene</b>	<b>240</b>	IS-LO	ug/m <sup>3</sup>	0.55	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/m <sup>3</sup>	1.4	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.52	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.46	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS



### Sample Information

**Client Sample ID:** SV-03

**York Sample ID:** 18A0300-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	2.2		ug/m <sup>3</sup>	0.88	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
142-82-5	n-Heptane	34		ug/m <sup>3</sup>	0.52	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
110-54-3	n-Hexane	46		ug/m <sup>3</sup>	0.45	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
95-47-6	o-Xylene	510	IS-LO	ug/m <sup>3</sup>	5.5	12.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/15/2018 11:57	01/15/2018 17:25	LDS
179601-23-1	p- & m- Xylenes	1400	IS-LO	ug/m <sup>3</sup>	11	12.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/15/2018 11:57	01/15/2018 17:25	LDS
622-96-8	* p-Ethyltoluene	720	IS-LO	ug/m <sup>3</sup>	6.3	12.72	EPA TO-15 Certifications:	01/15/2018 11:57	01/15/2018 17:25	LDS
115-07-1	* Propylene	510		ug/m <sup>3</sup>	2.2	12.72	EPA TO-15 Certifications:	01/15/2018 11:57	01/15/2018 17:25	LDS
100-42-5	Styrene	ND	IS-LO	ug/m <sup>3</sup>	0.54	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
127-18-4	Tetrachloroethylene	380		ug/m <sup>3</sup>	0.22	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
109-99-9	* Tetrahydrofuran	25		ug/m <sup>3</sup>	0.75	1.272	EPA TO-15 Certifications:	01/13/2018 00:08	01/13/2018 00:08	LDS
108-88-3	Toluene	48		ug/m <sup>3</sup>	0.48	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.50	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.58	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
79-01-6	Trichloroethylene	1000		ug/m <sup>3</sup>	1.7	12.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/15/2018 11:57	01/15/2018 17:25	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.0		ug/m <sup>3</sup>	0.71	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.45	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.56	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.081	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 00:08	01/13/2018 00:08	LDS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
460-00-4	Surrogate: p-Bromofluorobenzene	127 %			70-130					
460-00-4	Surrogate: p-Bromofluorobenzene	135 %	S-04		70-130					



### Sample Information

**Client Sample ID:** SV-04

**York Sample ID:** 18A0300-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.87	1.272	EPA TO-15 Certifications:	01/13/2018 01:13	01/13/2018 01:13	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.69	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.87	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.97	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.69	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.51	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.13	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.94	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>4.0</b>		ug/m <sup>3</sup>	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.98	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.76	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.51	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.59	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.89	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>1.6</b>		ug/m <sup>3</sup>	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.84	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.76	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.59	1.272	EPA TO-15 Certifications:	01/13/2018 01:13	01/13/2018 01:13	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.76	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.92	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
78-93-3	<b>2-Butanone</b>	<b>2.0</b>		ug/m <sup>3</sup>	0.38	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.0	1.272	EPA TO-15 Certifications:	01/13/2018 01:13	01/13/2018 01:13	LDS



### Sample Information

**Client Sample ID:** SV-04

**York Sample ID:** 18A0300-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.0	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.52	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
67-64-1	<b>Acetone</b>	<b>7.5</b>		ug/m <sup>3</sup>	0.60	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.28	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
71-43-2	<b>Benzene</b>	<b>11</b>		ug/m <sup>3</sup>	0.41	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.66	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.85	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.3	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.49	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
75-15-0	<b>Carbon disulfide</b>	<b>3.3</b>		ug/m <sup>3</sup>	0.40	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
56-23-5	<b>Carbon tetrachloride</b>	<b>0.56</b>		ug/m <sup>3</sup>	0.20	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
108-90-7	<b>Chlorobenzene</b>	<b>1.6</b>		ug/m <sup>3</sup>	0.59	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.34	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.62	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
74-87-3	<b>Chloromethane</b>	<b>1.4</b>		ug/m <sup>3</sup>	0.26	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.35</b>		ug/m <sup>3</sup>	0.13	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.58	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
110-82-7	<b>Cyclohexane</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.44	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.1	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.0</b>		ug/m <sup>3</sup>	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	0.92	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
100-41-4	<b>Ethyl Benzene</b>	<b>3.4</b>		ug/m <sup>3</sup>	0.55	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS



### Sample Information

**Client Sample ID:** SV-04

**York Sample ID:** 18A0300-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.4	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
67-63-0	Isopropanol	2.2		ug/m <sup>3</sup>	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.52	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.46	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
75-09-2	Methylene chloride	1.3		ug/m <sup>3</sup>	0.88	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
142-82-5	n-Heptane	3.5		ug/m <sup>3</sup>	0.52	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
110-54-3	n-Hexane	6.6		ug/m <sup>3</sup>	0.45	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
95-47-6	o-Xylene	5.2		ug/m <sup>3</sup>	0.55	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
179601-23-1	p- & m- Xylenes	12		ug/m <sup>3</sup>	1.1	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
622-96-8	* p-Ethyltoluene	4.6		ug/m <sup>3</sup>	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
115-07-1	* Propylene	76		ug/m <sup>3</sup>	0.22	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.54	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
127-18-4	Tetrachloroethylene	11		ug/m <sup>3</sup>	0.22	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
109-99-9	* Tetrahydrofuran	6.1		ug/m <sup>3</sup>	0.75	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
108-88-3	Toluene	9.6		ug/m <sup>3</sup>	0.48	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.50	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.58	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
79-01-6	Trichloroethylene	28		ug/m <sup>3</sup>	0.17	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m <sup>3</sup>	0.71	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.45	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.56	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.081	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 01:13	01/13/2018 01:13	LDS

Surrogate Recoveries

Result

Acceptance Range



### Sample Information

**Client Sample ID:** SV-04

**York Sample ID:** 18A0300-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: p-Bromofluorobenzene	107 %			70-130					

### Sample Information

**Client Sample ID:** SV-05

**York Sample ID:** 18A0300-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.87	1.268	EPA TO-15 Certifications:	01/13/2018 02:18	01/13/2018 02:18	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.69	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.87	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.97	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.69	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.51	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
75-35-4	<b>1,1-Dichloroethylene</b>	<b>4.6</b>		ug/m <sup>3</sup>	0.13	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.94	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>6.2</b>		ug/m <sup>3</sup>	0.62	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.97	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
95-50-1	<b>1,2-Dichlorobenzene</b>	<b>1.1</b>		ug/m <sup>3</sup>	0.76	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.51	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.59	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.89	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>3.1</b>		ug/m <sup>3</sup>	0.62	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS



### Sample Information

**Client Sample ID:** SV-05

**York Sample ID:** 18A0300-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-99-0	<b>1,3-Butadiene</b>	<b>44</b>		ug/m <sup>3</sup>	0.84	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
541-73-1	<b>1,3-Dichlorobenzene</b>	<b>3.4</b>		ug/m <sup>3</sup>	0.76	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.59	1.268	EPA TO-15 Certifications:	01/13/2018 02:18	01/13/2018 02:18	LDS
106-46-7	<b>1,4-Dichlorobenzene</b>	<b>1.4</b>		ug/m <sup>3</sup>	0.76	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.91	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
78-93-3	<b>2-Butanone</b>	<b>10</b>		ug/m <sup>3</sup>	0.37	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
591-78-6	* <b>2-Hexanone</b>	<b>6.5</b>		ug/m <sup>3</sup>	1.0	1.268	EPA TO-15 Certifications:	01/13/2018 02:18	01/13/2018 02:18	LDS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.0	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.52	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
67-64-1	<b>Acetone</b>	<b>27</b>		ug/m <sup>3</sup>	0.60	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.28	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
71-43-2	<b>Benzene</b>	<b>37</b>		ug/m <sup>3</sup>	0.41	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.66	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.85	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.3	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.49	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
75-15-0	<b>Carbon disulfide</b>	<b>22</b>		ug/m <sup>3</sup>	0.39	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
56-23-5	<b>Carbon tetrachloride</b>	<b>2.6</b>		ug/m <sup>3</sup>	0.20	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
108-90-7	<b>Chlorobenzene</b>	<b>9.3</b>		ug/m <sup>3</sup>	0.58	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.33	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
67-66-3	<b>Chloroform</b>	<b>14</b>		ug/m <sup>3</sup>	0.62	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
74-87-3	<b>Chloromethane</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.26	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS





### Sample Information

**Client Sample ID:** SV-05

**York Sample ID:** 18A0300-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>3.6</b>		ug/m <sup>3</sup>	0.13	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.58	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
110-82-7	<b>Cyclohexane</b>	<b>7.0</b>		ug/m <sup>3</sup>	0.44	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.1	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.0</b>		ug/m <sup>3</sup>	0.63	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
141-78-6	* <b>Ethyl acetate</b>	<b>2.8</b>		ug/m <sup>3</sup>	0.91	1.268	EPA TO-15 Certifications:	01/13/2018 02:18	01/13/2018 02:18	LDS
100-41-4	<b>Ethyl Benzene</b>	<b>4.7</b>		ug/m <sup>3</sup>	0.55	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.4	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
67-63-0	<b>Isopropanol</b>	<b>5.1</b>		ug/m <sup>3</sup>	0.62	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.52	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.46	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
75-09-2	<b>Methylene chloride</b>	<b>2.7</b>		ug/m <sup>3</sup>	0.88	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
142-82-5	<b>n-Heptane</b>	<b>20</b>		ug/m <sup>3</sup>	0.52	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
110-54-3	<b>n-Hexane</b>	<b>28</b>		ug/m <sup>3</sup>	0.45	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
95-47-6	<b>o-Xylene</b>	<b>12</b>		ug/m <sup>3</sup>	0.55	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>14</b>		ug/m <sup>3</sup>	1.1	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
622-96-8	* <b>p-Ethyltoluene</b>	<b>7.5</b>		ug/m <sup>3</sup>	0.62	1.268	EPA TO-15 Certifications:	01/13/2018 02:18	01/13/2018 02:18	LDS
115-07-1	* <b>Propylene</b>	<b>520</b>		ug/m <sup>3</sup>	8.7	50.72	EPA TO-15 Certifications:	01/16/2018 15:39	01/16/2018 15:39	LDS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.54	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
127-18-4	<b>Tetrachloroethylene</b>	<b>150</b>		ug/m <sup>3</sup>	0.22	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
109-99-9	* <b>Tetrahydrofuran</b>	<b>27</b>		ug/m <sup>3</sup>	0.75	1.268	EPA TO-15 Certifications:	01/13/2018 02:18	01/13/2018 02:18	LDS
108-88-3	<b>Toluene</b>	<b>17</b>		ug/m <sup>3</sup>	0.48	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
156-60-5	<b>trans-1,2-Dichloroethylene</b>	<b>0.55</b>		ug/m <sup>3</sup>	0.50	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS



### Sample Information

**Client Sample ID:** SV-05

**York Sample ID:** 18A0300-05

<u>York Project (SDG) No.</u> 18A0300	<u>Client Project ID</u> 811-817 Lexington Ave.	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> January 10, 2018 3:00 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.58	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
79-01-6	<b>Trichloroethylene</b>	<b>4800</b>		ug/m <sup>3</sup>	6.8	50.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/16/2018 15:39	01/16/2018 15:39	LDS
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.6</b>		ug/m <sup>3</sup>	0.71	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.45	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.55	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.081	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 02:18	01/13/2018 02:18	LDS
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
460-00-4	Surrogate: p-Bromofluorobenzene	108 %					70-130			
460-00-4	Surrogate: p-Bromofluorobenzene	117 %					70-130			

### Sample Information

**Client Sample ID:** SV-06

**York Sample ID:** 18A0300-06

<u>York Project (SDG) No.</u> 18A0300	<u>Client Project ID</u> 811-817 Lexington Ave.	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> January 10, 2018 3:00 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.97	1.42	EPA TO-15 Certifications:	01/13/2018 03:24	01/13/2018 03:24	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.77	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.97	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.1	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.77	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.57	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
75-35-4	<b>1,1-Dichloroethylene</b>	<b>0.68</b>		ug/m <sup>3</sup>	0.14	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS



### Sample Information

**Client Sample ID:** SV-06

**York Sample ID:** 18A0300-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>11</b>		ug/m <sup>3</sup>	0.70	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.1	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
95-50-1	<b>1,2-Dichlorobenzene</b>	<b>0.94</b>		ug/m <sup>3</sup>	0.85	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.57	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.66	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.99	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>4.7</b>		ug/m <sup>3</sup>	0.70	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
106-99-0	<b>1,3-Butadiene</b>	<b>21</b>		ug/m <sup>3</sup>	0.94	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
541-73-1	<b>1,3-Dichlorobenzene</b>	<b>2.5</b>		ug/m <sup>3</sup>	0.85	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.66	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
106-46-7	<b>1,4-Dichlorobenzene</b>	<b>1.2</b>		ug/m <sup>3</sup>	0.85	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	1.0	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
78-93-3	<b>2-Butanone</b>	<b>12</b>		ug/m <sup>3</sup>	0.42	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
591-78-6	* <b>2-Hexanone</b>	<b>5.3</b>		ug/m <sup>3</sup>	1.2	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.2	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.58	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
67-64-1	<b>Acetone</b>	<b>43</b>		ug/m <sup>3</sup>	0.67	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.31	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
71-43-2	<b>Benzene</b>	<b>31</b>		ug/m <sup>3</sup>	0.45	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.74	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.95	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS



### Sample Information

**Client Sample ID:** SV-06

**York Sample ID:** 18A0300-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.5	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.55	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
75-15-0	<b>Carbon disulfide</b>	<b>44</b>		ug/m <sup>3</sup>	0.44	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
56-23-5	<b>Carbon tetrachloride</b>	<b>0.89</b>		ug/m <sup>3</sup>	0.22	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
108-90-7	<b>Chlorobenzene</b>	<b>6.9</b>		ug/m <sup>3</sup>	0.65	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.37	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
67-66-3	<b>Chloroform</b>	<b>8.3</b>		ug/m <sup>3</sup>	0.69	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
74-87-3	<b>Chloromethane</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.29	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.56</b>		ug/m <sup>3</sup>	0.14	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.64	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
110-82-7	<b>Cyclohexane</b>	<b>3.8</b>		ug/m <sup>3</sup>	0.49	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.2	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>3.2</b>		ug/m <sup>3</sup>	0.70	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
141-78-6	* <b>Ethyl acetate</b>	<b>1.8</b>		ug/m <sup>3</sup>	1.0	1.42	EPA TO-15 Certifications:	01/13/2018 03:24	01/13/2018 03:24	LDS
100-41-4	<b>Ethyl Benzene</b>	<b>6.6</b>		ug/m <sup>3</sup>	0.62	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.5	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
67-63-0	<b>Isopropanol</b>	<b>4.9</b>		ug/m <sup>3</sup>	0.70	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.58	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.51	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
75-09-2	<b>Methylene chloride</b>	<b>1.6</b>		ug/m <sup>3</sup>	0.99	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
142-82-5	<b>n-Heptane</b>	<b>35</b>		ug/m <sup>3</sup>	0.58	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
110-54-3	<b>n-Hexane</b>	<b>62</b>		ug/m <sup>3</sup>	0.50	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
95-47-6	<b>o-Xylene</b>	<b>10</b>		ug/m <sup>3</sup>	0.62	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS



### Sample Information

**Client Sample ID:** SV-06

**York Sample ID:** 18A0300-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Soil Vapor

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	15		ug/m <sup>3</sup>	1.2	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
622-96-8	* p-Ethyltoluene	11		ug/m <sup>3</sup>	0.70	1.42	EPA TO-15 Certifications:	01/13/2018 03:24	01/13/2018 03:24	LDS
115-07-1	* Propylene	190		ug/m <sup>3</sup>	2.4	14.2	EPA TO-15 Certifications:	01/15/2018 11:57	01/15/2018 19:27	LDS
100-42-5	Styrene	2.4		ug/m <sup>3</sup>	0.60	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
127-18-4	Tetrachloroethylene	72		ug/m <sup>3</sup>	0.24	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
109-99-9	* Tetrahydrofuran	20		ug/m <sup>3</sup>	0.84	1.42	EPA TO-15 Certifications:	01/13/2018 03:24	01/13/2018 03:24	LDS
108-88-3	Toluene	28		ug/m <sup>3</sup>	0.54	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.56	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.64	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
79-01-6	Trichloroethylene	520		ug/m <sup>3</sup>	1.9	14.2	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/15/2018 11:57	01/15/2018 19:27	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	9.1		ug/m <sup>3</sup>	0.80	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.50	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.62	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.091	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 03:24	01/13/2018 03:24	LDS
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
460-00-4	Surrogate: p-Bromofluorobenzene	102 %					70-130			
460-00-4	Surrogate: p-Bromofluorobenzene	118 %					70-130			

### Sample Information

**Client Sample ID:** IA-01

**York Sample ID:** 18A0300-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Indoor Ambient Air

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



### Sample Information

**Client Sample ID:** IA-01

**York Sample ID:** 18A0300-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Indoor Ambient Air

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.37	0.533	EPA TO-15 Certifications:	01/13/2018 04:33	01/13/2018 04:33	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.29	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.37	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.41	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.29	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.053	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.40	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>3.3</b>		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.41	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.32	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.25	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.37	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>0.81</b>		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.35	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.32	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.25	0.533	EPA TO-15 Certifications:	01/13/2018 04:33	01/13/2018 04:33	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.32	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.38	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
78-93-3	<b>2-Butanone</b>	<b>0.25</b>		ug/m <sup>3</sup>	0.16	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	0.44	0.533	EPA TO-15 Certifications:	01/13/2018 04:33	01/13/2018 04:33	LDS



### Sample Information

**Client Sample ID:** IA-01

**York Sample ID:** 18A0300-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Indoor Ambient Air

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	0.83	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
108-10-1	<b>4-Methyl-2-pentanone</b>	<b>0.90</b>		ug/m <sup>3</sup>	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
67-64-1	<b>Acetone</b>	<b>4.7</b>		ug/m <sup>3</sup>	0.25	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.12	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
71-43-2	<b>Benzene</b>	<b>2.6</b>		ug/m <sup>3</sup>	0.17	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.28	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.36	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	0.55	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.21	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.17	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
56-23-5	<b>Carbon tetrachloride</b>	<b>0.37</b>		ug/m <sup>3</sup>	0.084	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.25	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.14	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
74-87-3	<b>Chloromethane</b>	<b>0.97</b>		ug/m <sup>3</sup>	0.11	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.053	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.24	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
110-82-7	<b>Cyclohexane</b>	<b>0.35</b>		ug/m <sup>3</sup>	0.18	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.45	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>1.8</b>		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	0.38	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
100-41-4	<b>Ethyl Benzene</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.23	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS



### Sample Information

**Client Sample ID:** IA-01

**York Sample ID:** 18A0300-07

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

18A0300

811-817 Lexington Ave.

Indoor Ambient Air

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	0.57	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.19	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	0.37	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
142-82-5	<b>n-Heptane</b>	<b>2.6</b>		ug/m <sup>3</sup>	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
110-54-3	<b>n-Hexane</b>	<b>0.49</b>		ug/m <sup>3</sup>	0.19	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
95-47-6	<b>o-Xylene</b>	<b>2.0</b>		ug/m <sup>3</sup>	0.23	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>6.4</b>		ug/m <sup>3</sup>	0.46	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
622-96-8	<b>* p-Ethyltoluene</b>	<b>2.4</b>		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications:	01/13/2018 04:33	01/13/2018 04:33	LDS
115-07-1	<b>* Propylene</b>	<b>2.6</b>		ug/m <sup>3</sup>	0.092	0.533	EPA TO-15 Certifications:	01/13/2018 04:33	01/13/2018 04:33	LDS
100-42-5	<b>Styrene</b>	<b>0.43</b>		ug/m <sup>3</sup>	0.23	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
127-18-4	<b>Tetrachloroethylene</b>	<b>0.36</b>		ug/m <sup>3</sup>	0.090	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
109-99-9	<b>* Tetrahydrofuran</b>	ND		ug/m <sup>3</sup>	0.31	0.533	EPA TO-15 Certifications:	01/13/2018 04:33	01/13/2018 04:33	LDS
108-88-3	<b>Toluene</b>	<b>4.2</b>		ug/m <sup>3</sup>	0.20	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.21	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.24	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
79-01-6	<b>Trichloroethylene</b>	<b>0.29</b>		ug/m <sup>3</sup>	0.072	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.0</b>		ug/m <sup>3</sup>	0.30	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.19	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.23	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.034	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 04:33	01/13/2018 04:33	LDS

**Surrogate Recoveries**

**Result**

**Acceptance Range**





### Sample Information

**Client Sample ID:** IA-01

**York Sample ID:** 18A0300-07

<u>York Project (SDG) No.</u> 18A0300	<u>Client Project ID</u> 811-817 Lexington Ave.	<u>Matrix</u> Indoor Ambient Air	<u>Collection Date/Time</u> January 10, 2018 3:00 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			70-130					

### Sample Information

**Client Sample ID:** OA-01

**York Sample ID:** 18A0300-08

<u>York Project (SDG) No.</u> 18A0300	<u>Client Project ID</u> 811-817 Lexington Ave.	<u>Matrix</u> Outdoor Ambient Air	<u>Collection Date/Time</u> January 10, 2018 3:00 pm	<u>Date Received</u> 01/10/2018
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**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.37	0.533	EPA TO-15 Certifications:	01/13/2018 05:43	01/13/2018 05:43	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.29	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.37	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
76-13-1	<b>1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)</b>	<b>0.41</b>		ug/m <sup>3</sup>	0.41	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.29	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.053	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.40	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>3.8</b>		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.41	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.32	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.25	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.37	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS



### Sample Information

**Client Sample ID:** OA-01

**York Sample ID:** 18A0300-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Outdoor Ambient Air

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>1.1</b>		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.35	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.32	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.25	0.533	EPA TO-15 Certifications:	01/13/2018 05:43	01/13/2018 05:43	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.32	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.38	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
78-93-3	<b>2-Butanone</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.16	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	0.44	0.533	EPA TO-15 Certifications:	01/13/2018 05:43	01/13/2018 05:43	LDS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	0.83	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
67-64-1	<b>Acetone</b>	<b>4.4</b>		ug/m <sup>3</sup>	0.25	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.12	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
71-43-2	<b>Benzene</b>	<b>1.0</b>		ug/m <sup>3</sup>	0.17	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.28	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.36	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	0.55	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.21	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.17	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
56-23-5	<b>Carbon tetrachloride</b>	<b>0.37</b>		ug/m <sup>3</sup>	0.084	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.25	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.14	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS



### Sample Information

**Client Sample ID:** OA-01

**York Sample ID:** 18A0300-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Outdoor Ambient Air

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	0.89		ug/m <sup>3</sup>	0.11	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.053	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.24	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
110-82-7	Cyclohexane	0.24		ug/m <sup>3</sup>	0.18	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.45	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
75-71-8	Dichlorodifluoromethane	2.2		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
141-78-6	* Ethyl acetate	0.73		ug/m <sup>3</sup>	0.38	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
100-41-4	Ethyl Benzene	1.9		ug/m <sup>3</sup>	0.23	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	0.57	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
67-63-0	Isopropanol	0.30		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.19	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
75-09-2	Methylene chloride	0.41		ug/m <sup>3</sup>	0.37	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
142-82-5	n-Heptane	0.55		ug/m <sup>3</sup>	0.22	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
110-54-3	n-Hexane	0.64		ug/m <sup>3</sup>	0.19	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
95-47-6	o-Xylene	2.3		ug/m <sup>3</sup>	0.23	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
179601-23-1	p- & m- Xylenes	6.0		ug/m <sup>3</sup>	0.46	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
622-96-8	* p-Ethyltoluene	4.0		ug/m <sup>3</sup>	0.26	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
115-07-1	* Propylene	0.79		ug/m <sup>3</sup>	0.092	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.23	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
127-18-4	Tetrachloroethylene	0.58		ug/m <sup>3</sup>	0.090	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
109-99-9	* Tetrahydrofuran	0.88		ug/m <sup>3</sup>	0.31	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
108-88-3	Toluene	3.2		ug/m <sup>3</sup>	0.20	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS



### Sample Information

**Client Sample ID:** OA-01

**York Sample ID:** 18A0300-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18A0300

811-817 Lexington Ave.

Outdoor Ambient Air

January 10, 2018 3:00 pm

01/10/2018

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.21	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.24	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
79-01-6	<b>Trichloroethylene</b>	<b>0.086</b>		ug/m <sup>3</sup>	0.072	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>0.93</b>		ug/m <sup>3</sup>	0.30	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.19	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.23	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.034	0.533	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	01/13/2018 05:43	01/13/2018 05:43	LDS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	104 %	70-130							





## Sample and Data Qualifiers Relating to This Work Order

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to detected analytes only.

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.



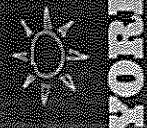
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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# Field Chain-of-Custody Record - AIR

York Project No. 18A0300

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

<b>YOUR Information</b> Company: <u>ALC Environmental</u> Address: <u>121 West 27th St</u> <u>New York, NY 10001</u> Phone No: <u>212 675 5544</u>		<b>Report To:</b> Company: <u>ALC Environmental</u> Address: <u>121 W 27th St</u> <u>New York, NY 10001</u> Phone No: <u>212 675 5544</u>		<b>Invoice To:</b> Company: <u>Same</u> Address: <u>as Reports</u> Phone No: _____ Attention: _____ E-Mail Address: _____		<b>YOUR Project ID</b> Purchase Order No. _____ Samples from: CT ___ NY ___ NJ ___		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type/Deliverables</b> Summary Report _____ Summary w/ QA Summary _____ CT RCP Package _____ NY ASP A Package _____ NY ASP B/CLP Pkg _____ NJDEP Reduced _____ <i>Electronic Deliverables:</i> EDD (Specify Type) _____ Standard Excel _____ Regulatory Comparison Excel _____	
--	--	---	--	--	--	--	--	--	--	---	--

**Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

Samples Collected/Authorized By (Signature): Brian Mulder  
 Name (printed): Brian Mulder

**Air Matrix Codes**  
 AI - INDOOR Ambient Air  
 AO - OUTDOOR Amb. Air  
 AE - Vapor Extraction Well/  
 AS - SOIL Vapor/Sub-Slab

**Detection Limits Required**  
 ≤ 1 ug/m<sup>3</sup>  
 NYSDEC VI Limits  
 NJDEP low level  
 Routine Survey  
 Other \_\_\_\_\_

**Special Instructions**

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Count ID	ANALYSES REQUESTED	Sampling Media
SU-01	1/10/18	AS	-29	-2	28309	6878	TO-15	6 Liter canister Tedlar Bag
SU-02			-32	-12	Y74	Y1		6 Liter canister Tedlar Bag
SU-03			-30	0	24253	7606		6 Liter canister Tedlar Bag
SU-04			-30	-1	20665	Y12		6 Liter canister Tedlar Bag
SU-05			-30	-1	23989	7362		6 Liter canister Tedlar Bag
SU-06		AI	-27	0	18294	7269		6 Liter canister Tedlar Bag
IA-01		AO	-26	0	23998	6862		6 Liter canister Tedlar Bag
QA-01					23997	6873		6 Liter canister Tedlar Bag

**Comments**

Samples Relinquished By: Brian Mulder Date/Time: \_\_\_\_\_  
 Samples Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Samples Received By: Alex H Schwik Date/Time: 1/10/18 17:55  
 Samples Received in LAB By: \_\_\_\_\_ Date/Time: \_\_\_\_\_



**811 LEXINGTON AVENUE  
BROOKLYN, NEW YORK**

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**Supplemental Subsurface Investigation Report**

**NYC VCP Project Number 19CVCP030K**

**OER Project Number 18TMP1251K**

**Prepared For:**

IMPACCT Senior Residences LLC

1000 Dean Street, Suite 420

Brooklyn, NY 11238

718-522-2613

[impacctbrooklyn.org](http://impacctbrooklyn.org)

**Prepared By:**

ALC Environmental

121 West 27<sup>th</sup> Street, Suite 402

New York, NY 10001

212-675-5544

[www.alcenvironmental.com](http://www.alcenvironmental.com)

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**AUGUST 2019**

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## **Tables**

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Table 2 – Historical Soil Vapor and Ambient Air Analytical Data

## **Appendices**

Appendix A – Phase I Environmental Site Assessment Report

Appendix B – Phase II Environmental Site Investigation Report

Appendix C – Laboratory Analytical Report

## CERTIFICATION

This Supplemental Subsurface Investigation (SSI) was performed in general conformance with the New York State Department of Environmental Conservation (NYSDEC) Technical Guidance for Site Investigation and Remediation DER-10. This SSI was performed and written by:



Ewa Poncyliusz

August 30, 2019

Environmental Scientist

Date

Signature

I, Cheryl Benmergui, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the SSI for the Site located at 811 Lexington Avenue, Brooklyn, NY 11221. I am responsible for the content of this SSI Report, have reviewed its contents and certify that this SSI Report is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.



Cheryl Benmergui

August 30, 2019

Qualified Environmental Professional

Date

Signature

## 1.0 EXECUTIVE SUMMARY

On behalf of IMPACCT Senior Residences LLC (“the Client”), ALC Environmental (ALC) performed a Supplemental Subsurface Investigation (SSI) in accordance with the New York City Mayor’s Office of Environmental Remediation (OER)-approved *Supplemental Subsurface Investigation and Pilot Study Work Plan* (Work Plan), dated February 2019. The purpose of this investigation was to adequately delineate chlorinated volatile organic compounds (CVOCs) identified in the subsurface soils, for the property located at 811 Lexington Avenue, Brooklyn, NY 11221 (the “Site”).

### 1.1 Site Description and Surrounding Properties

The Site is located at 811-817 Lexington Avenue in the Bedford-Stuyvesant section in Brooklyn, New York, and is identified as Block 1622 and Lots 51 and 56 on the New York City Tax Map. The Site consists of two adjacent lots comprised of a split-level 1- and 2-story vacant industrial building and an asphalt-paved parking lot. A topographical map is presented in **Figure 1**. The Site Location Map is presented in **Figure 2**.

The general vicinity of the Site consists of multi-family residential buildings, vacant lots, a church, a soup kitchen and social services organization, and an addiction treatment center. No sensitive receptors, such as schools, hospitals, or day-care facilities, were identified within a 500-foot radius of the Site. No heavy manufacturing or industrial land usage was observed in the immediate proximity to the Site. For additional information, consult the Phase II Environmental Site Investigation (ESI) Report dated January 23, 2018.

Redevelopment will consist of one 4-story senior affordable housing residential building, totaling 61 senior residential units. The proposed footprint of the development will occupy approximately 41.5 percent (%) of the subject lots, with the remaining 58.5 % designated for onsite parking, totaling 21 parking spaces and associated drive lanes. As part of development, the Site will be excavated to approximately 11 feet below grade for construction of the cellar. A green roof and garden space will also be featured at the roof level.

### 1.2 Previous Environmental Documentation

The following environmental work plans and reports were developed for the Site:

1. *Phase I Environmental Site Assessment (Phase I ESA)*, November 2017, prepared by ALC Environmental. Below is a brief summary of identified recognized environmental conditions (RECs) and areas of concern (AOCs):
  - a. Fuel oil was historically utilized at the Subject Property as a source of heat, as evidenced by a fuel oil burner application dated 1960, which was on-file with the NYC Department of Buildings. Although requested, no information regarding the status and location of the referenced tank was provided by property management/ownership. The lack of information regarding the 1,500-gallon No. 2 fuel oil underground storage tank (UST) constitutes a REC.
  - b. Historical uses of the subject building including manufacturing, commercial garage,

laundry facility, and the presence of an unregulated gasoline tank, constitutes a REC.

- c. Based on historical use of Lot 56, including commercial and industrial uses, the lack of regulations for disposal of hazardous waste such as spent oil and solvents, and wastewater contaminated with heavy metals prior to 1970s, and the fact that the Subject Lot 56 has not been redeveloped, constitutes a REC.
  - d. The adjacent properties to the east and west of the Subject Property constitute a REC as the likely generation of spent solvents and oils associated with historical uses of the sites, and with soil vapor migration from this site to the Subject Property cannot be ruled out.
2. *Phase II Environmental Site Investigation (Phase II ESI)*, January 2018, prepared by ALC Environmental. Below is a brief summary of environmental findings during the Phase II ESI:
- a. Soil: Soil samples were compared to 6NYCRR Part 275-6.8 Unrestricted Use (Track 1) Soil Cleanup objectives (SCOs), and Restricted Residential Use (Track 2) SCOs. No volatile organic compounds (VOCs) or polychlorinated biphenyls (PCBs) were detected above Track 1 SCOs. Six (6) semi-volatile organic compounds (SVOCs) were detected above Track 2 SCOs. Three (3) metals were detected in soil samples above Track 2 SCOs. Four (4) pesticides were detected above Track 1 SCOs.
  - b. Groundwater was not encountered during the Phase II ESI field activities.
  - c. Soil Vapor: Soil vapor samples were compared to the Air Guidance Values derived by the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Petroleum and dry cleaner products related compounds were detected at elevated levels. Maximum concentrations of BTEX compounds were 2,245 ug/m<sup>3</sup>. Concentrations of trichloroethylene (TCE) were above the monitoring/mitigation levels established by the NYSDOH guidance matrices recommending mitigation.

Please refer to the Phase I ESA and Phase II ESI for more detailed results. Copies of the reports are provided in **Appendices A** and **B**, respectively.

### 1.3 Regulatory Standards

The following guidelines were used to evaluate indoor air quality laboratory analytical results at the Site:

- NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

## 2.0 SUPPLEMENTAL SOIL VAPOR INVESTIGATION

On July 18, 2019, ALC performed additional soil vapor sampling at the Site. The additional sampling was prompted to evaluate and adequately delineate the source of high concentrations of CVOCs identified in the subsurface soils. ALC performed the following scope of work in accordance with the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) and the OER-approved Work Plan:

- Three (3) soil vapor probes were installed at the Site; and
- Collected three (3) soil vapor samples for chemical analysis.

### 2.1 Soil Vapor Sampling

A total of three (3) soil vapor probes, designated as SV-07 through SV-09, were installed in the north-eastern portion of the Site in evenly spaced locations surrounding soil vapor sample location SV-05, to delineate potential soil vapor impacts within the proposed parking lot of redevelopment. Sample locations are presented in **Figure 3**. A handheld Geoprobe Direct Push Tooling was used to penetrate through the concrete to advance the soil vapor points to approximately 5 feet (ft) below grade. Soil vapor points were constructed of stainless steel screens probe attached to 0.25-inch ID polyethylene tubing, surrounded by clean silica sand, and plugged with a bentonite slurry. Soil vapor points were installed at the following depths due to refusal below the foundation slab: SV-07 was installed at 4.5 ft; SV-08 was installed at 3.5 ft; and SV-09 was installed at 4.5 ft. Obstruction causing refusal was consistent with solid concrete foundation footings.

Soil vapor samples were collected using 6-Liter SUMMA canisters, equipped with 2-hour regulators and analyzed for volatile organic compounds (VOCs) following the Environmental Protection Agency (EPA) TO-15 method.

### 2.2 Soil Vapor Chemistry

Soil Vapor samples collected during this investigation were compared to the monitoring and mitigation levels provided in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion decision matrices. The NYSDOH has issued indoor air standards for certain CVOCs, including Methylene Chloride, Tetrachloroethylene (PCE), and Trichloroethylene (TCE). In addition, the NYSDOH has issued three (3) matrices for decision making and has assigned a total of eight CVOCs [carbon tetrachloride, 1,1-dichloroethylene (11-DCE), cis-1,2-dichloroethene (c12-DCE), methylene chloride, PCE, TCE, 1,1,1-trichloroethane (111-TCA), and vinyl chloride] to the decision matrices. The Summa canisters, under proper chain of custody record, were submitted to York Analytical Laboratories, Inc. (York), a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory [New York State (NYS) License No. 12058]. Below is a summary of the findings:

- 111-TCA, 11-DCE, and vinyl chloride, were not detected in any of the soil vapor samples collected from the site.
- Carbon tetrachloride was detected in soil vapor samples SV-07, SV-08, and SV-09, at concentrations of 5 micrograms per cubic meter ( $\text{ug}/\text{m}^3$ ),  $9.6 \text{ ug}/\text{m}^3$ , and  $100 \text{ ug}/\text{m}^3$ ,

respectively. Per the NYSDOH decision matrix A, mitigation is recommended for carbon tetrachloride concentrations greater than 60 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 0.2 ug/m<sup>3</sup>.

- c12-DCE was detected in soil vapor sample SV-07 at a concentration of 4 ug/m<sup>3</sup>. Per the NYSDOH decision matrix A, no further action is recommended for c12-DEC soil vapor concentrations less than 6 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 0.2 ug/m<sup>3</sup>.
- Methylene chloride was detected in soil vapor samples SV-08 and SV-09, at concentrations of 8 ug/m<sup>3</sup> and 8.5 ug/m<sup>3</sup>, respectively. Per the NYSDOH decision matrix B, no further action is recommended for methylene chloride soil vapor concentrations less than 100 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 3 ug/m<sup>3</sup>.
- PCE was detected in soil vapor samples SV-07, SV-08, and SV-09, at concentrations of 750 ug/m<sup>3</sup>, 740 ug/m<sup>3</sup>, and 1,200 ug/m<sup>3</sup>, respectively. Per the NYSDOH matrix B, mitigation is recommended for PCE concentrations greater than 1,000 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 3 ug/m<sup>3</sup>.
- TCE was detected in soil vapor samples SV-07, SV-08, and SV-09, at concentrations of 11,000 ug/m<sup>3</sup>, 910 ug/m<sup>3</sup>, and 710 ug/m<sup>3</sup>. Per the NYSDOH decision matrix A, mitigation is recommended for TCE soil vapor concentrations greater than 60 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 0.2 ug/m<sup>3</sup>.
- n-Heptane was detected in soil vapor samples SV-07 and SV-08.
- Three (3) VOCs, acrylonitrile, chlorobenzene, and tetrahydrofuran, were detected in soil vapor sample SV-08.
- Six (6) VOCs, 1,3-butadiene, 1,3-dichlorobenzene, carbon disulfide, cyclohexane, dichlorodifluoromethane, and p-ethyltoluene, were detected in soil vapor samples SV-08 and SV-09.
- Twelve (12) VOCs, 1,2,4-trimethylbenzene, 2-butanone, acetone, benzene, chloroform, ethyl benzene, isopropanol, n-hexane, o-xylene, p-&m-xylenes, propylene, and toluene, were detected in the three soil vapor samples collected from the site (SV-07 through SV-09). However, acetone is a common laboratory contaminant.

A summary of analytical results for the July 2019 sampling event is presented in **Table 1**. The laboratory analytical report is provided in **Appendix C**.

Historical data for all soil vapor and ambient air sampling collected from the Site is presented in **Table 2**. A map with soil vapor chemistry is presented in **Figure 4**.

## 3.0 CONCLUSIONS AND RECOMMENDATIONS

This SSI was performed in accordance with the OER-approved Work Plan. The objective of this SSI was to evaluate and adequately delineate the source of high concentrations of CVOCs identified in the subsurface soils. This was accomplished through a site visit and soil vapor testing. Based on the laboratory analytical results, the following conclusions and recommendations are presented:

### 3.1 Conclusions

- 111-TCA, 11-DCE, and vinyl chloride, were not detected in any of the soil vapor samples collected from the site.
- Carbon tetrachloride was detected in soil vapor samples SV-07, SV-08, and SV-09, at a maximum concentration of 100 ug/m<sup>3</sup>. Per the NYSDOH decision matrix A, mitigation is recommended for carbon tetrachloride concentrations greater than 60 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 0.2 ug/m<sup>3</sup>.
- c12-DCE was detected in soil vapor sample SV-07 at a concentration of 4 ug/m<sup>3</sup>. Per the NYSDOH decision matrix A, no further action is recommended for c12-DEC soil vapor concentrations less than 6 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 0.2 ug/m<sup>3</sup>.
- Methylene chloride was detected in soil vapor samples SV-08 and SV-09, at a maximum concentration of 8.5 ug/m<sup>3</sup>. Per the NYSDOH decision matrix B, no further action is recommended for methylene chloride soil vapor concentrations less than 100 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 3 ug/m<sup>3</sup>.
- PCE was detected in soil vapor samples SV-07, SV-08, and SV-09, at a maximum concentration of 1,200 ug/m<sup>3</sup>. Per the NYSDOH matrix B, mitigation is recommended for PCE concentrations greater than 1,000 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 3 ug/m<sup>3</sup>.
- TCE was detected in soil vapor samples SV-07, SV-08, and SV-09, at a maximum concentration of 11,000 ug/m<sup>3</sup>. Per the NYSDOH decision matrix A, mitigation is recommended for TCE soil vapor concentrations greater than 60 ug/m<sup>3</sup>, coupled with indoor air concentrations less than 0.2 ug/m<sup>3</sup>.

Several petroleum-related compounds were also detected in the soil vapor samples collected at the site during this sampling event, at low to moderate concentrations.

### 3.2 Recommendations

Per the NYSDOH decision matrices A and B, mitigation of carbon tetrachloride, PCE, and TCE, detected in the soil vapor at the Site is recommended. According to the Phase II ESI Report, due to the presence of TCE concentrations above the NYSDOH mitigation levels, ALC recommended installation of a Sub-Slab Depressurization System (SSDS), and a vapor barrier membrane, in conjunction with sealing the floor of the proposed building, to limit vapor intrusion on the occupants of the proposed building, and to change the pressurization of the proposed building.



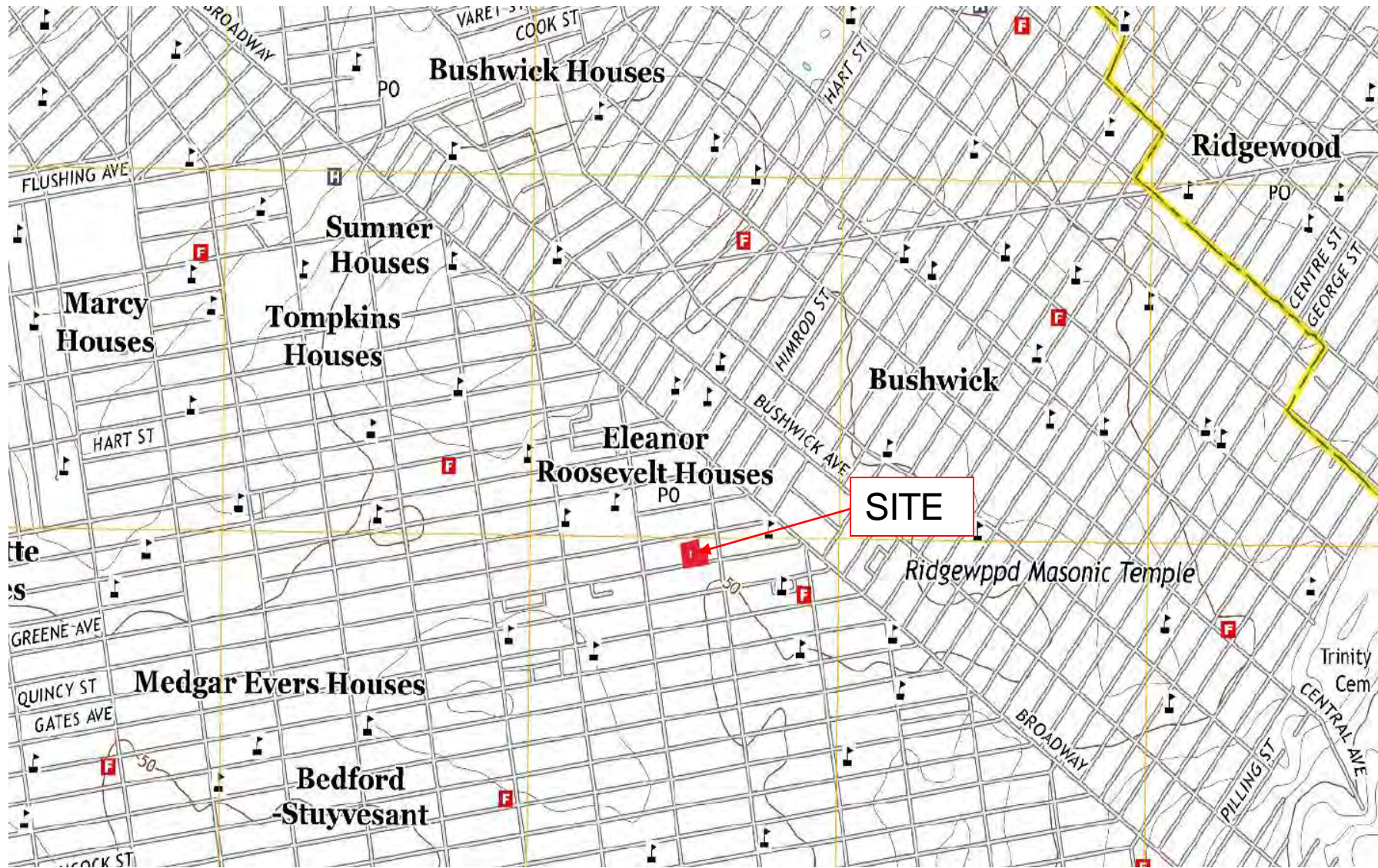
Remedial measures proposed for this Site include installation of an SSDS for the future building, and installation of a Soil Vapor Extraction (SVE) System within the future parking lot to address the elevated CVOCs outside the footprint of the proposed building. As outlined in the Work Plan, performance of an SVE pilot study will be conducted at the Site for design of the future SVE system. The pilot study will be conducted at the location with the highest concentrations of CVOCs based on historical and recent soil vapor analytical data. Extraction wells and monitoring points will be installed to collect vacuum and flow data to gauge the radius of influence.

Engineering controls (SSDS and SVE system) will be outlined in a Remedial Action Work Plan (RAWP) prepared for this Site.

# FIGURES

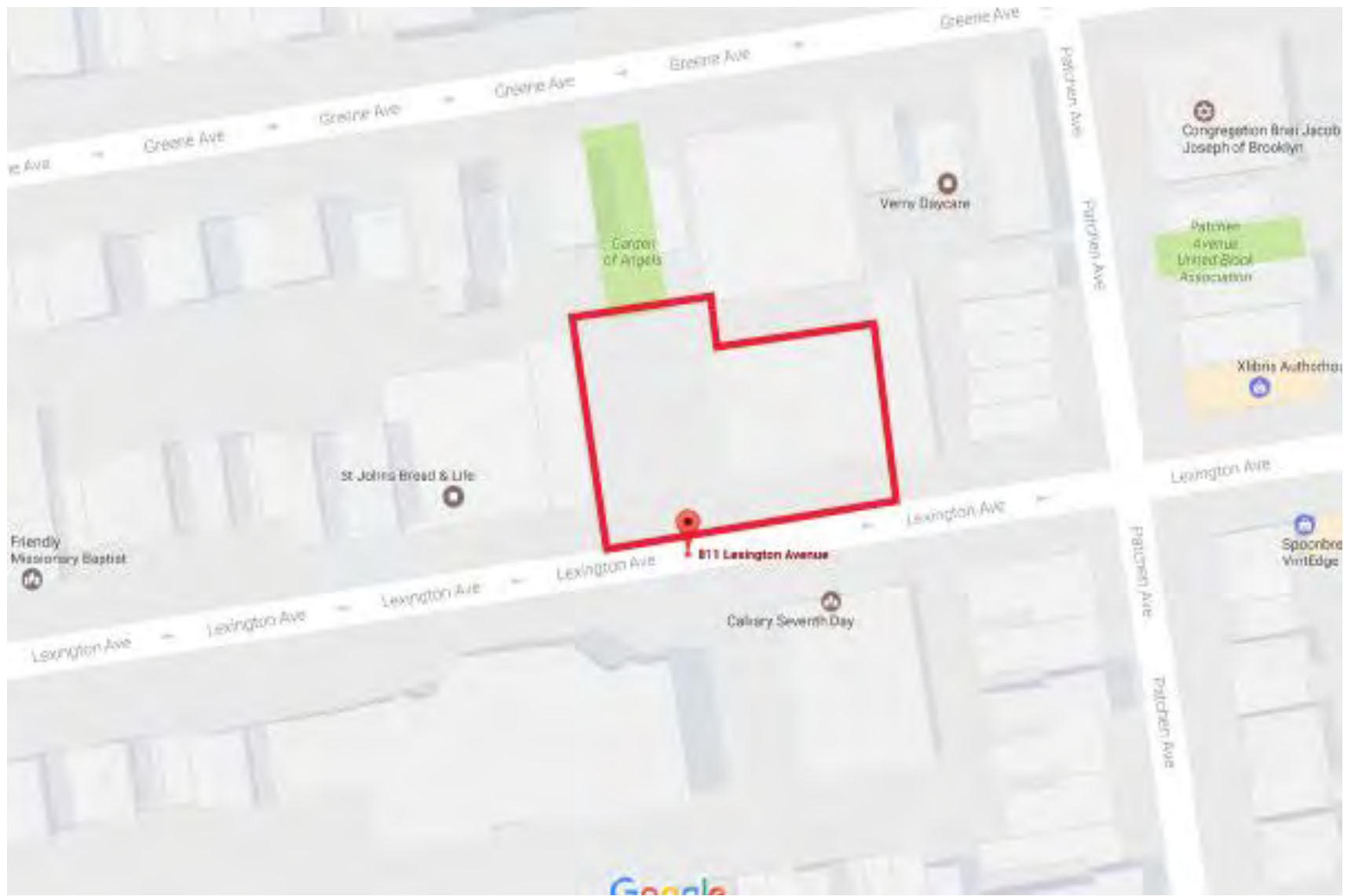
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Site Map



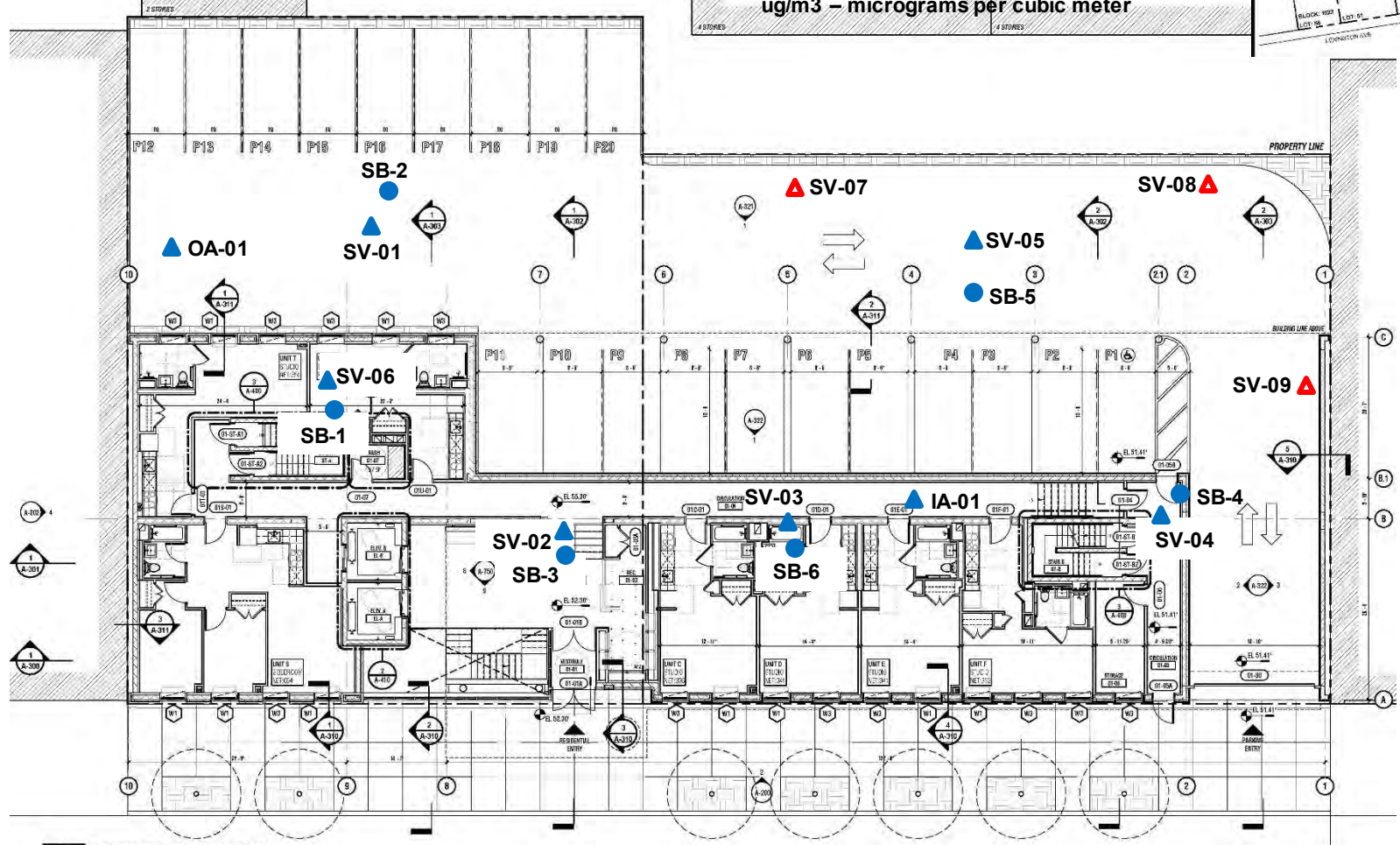
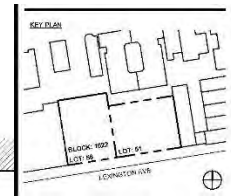
811-817 Lexington Avenue, Brooklyn, NY 11221  
 USGS Topographical Map, Brooklyn, NY-2013

Figure 1  
 Site Topographic Map



- January 2018 Soil Boring
- ▲ January 2018 Soil Vapor Implant/Ambient Air Sample
- ▲ July 2019 Soil Vapor Implant

c12-DCE – cis-1,2-Dichloroethylene  
 PCE – Tetrachloroethylene  
 TCE – Trichloroethylene  
 ug/m3 – micrograms per cubic meter



2 CONSTRUCTION PLAN - GROUND LEVEL  
 1/8" = 1'-0"

Lexington Avenue

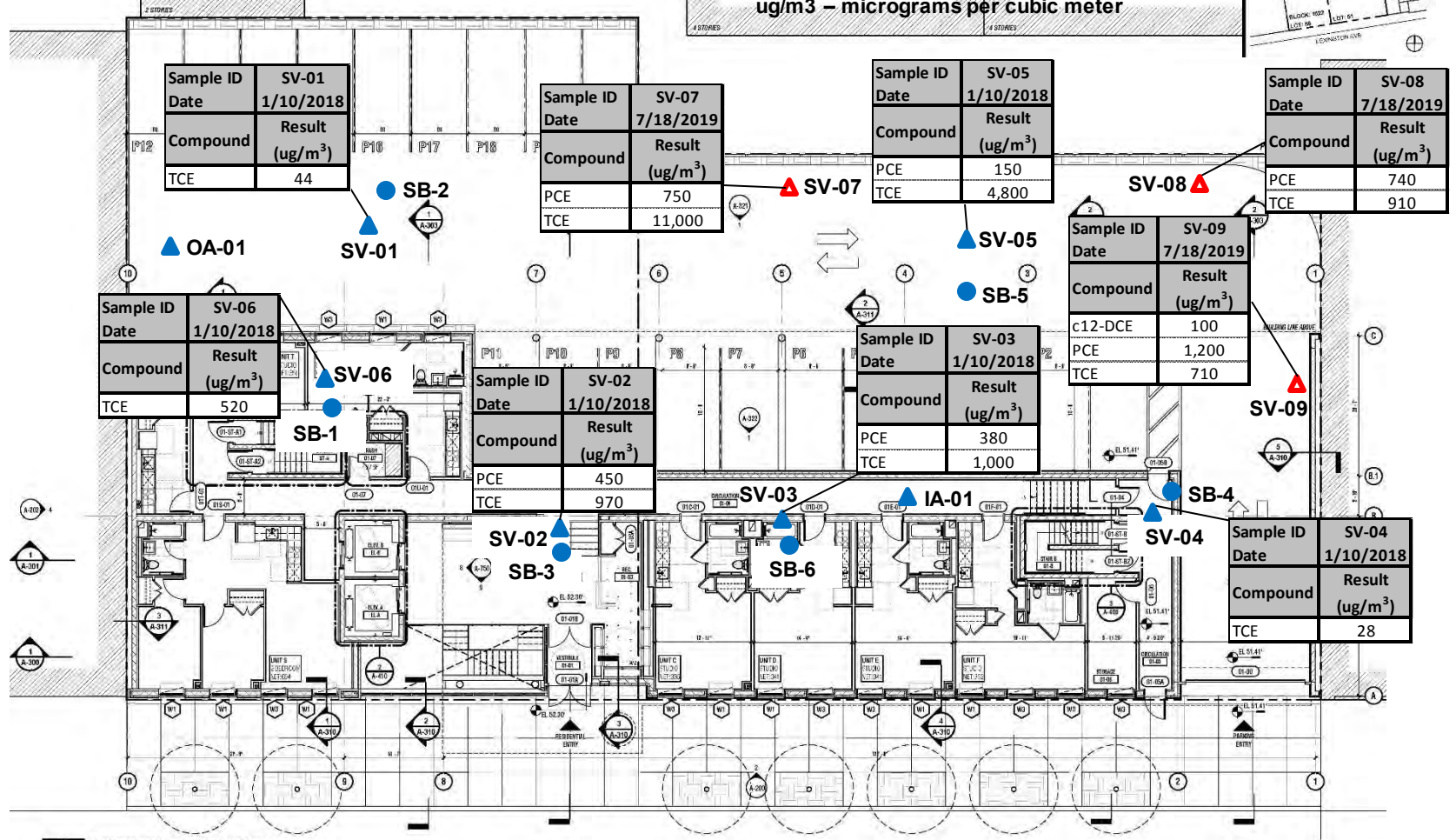
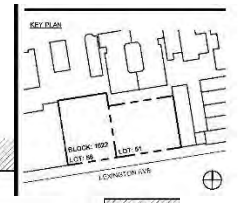


811-817 Lexington Avenue, Brooklyn, NY 11221

Figure 3  
 Sample Location Plan

- January 2018 Soil Boring
- ▲ January 2018 Soil Vapor Implant/Ambient Air Sample
- ▲ July 2019 Soil Vapor Implant

c12-DCE – cis-1,2-Dichloroethylene  
 PCE – Tetrachloroethylene  
 TCE – Trichloroethylene  
 ug/m<sup>3</sup> – micrograms per cubic meter



2 CONSTRUCTION PLAN - GROUND LEVEL  
 1/8" = 1'-0"

Lexington Avenue



811-817 Lexington Avenue, Brooklyn, NY 11221

Figure 4  
 Soil Vapor Chemistry

# TABLES

Summary of Analytical Data

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Table 1  
Summary of Soil Vapor Analytical Data  
811-817 Lexington Avenue  
Brooklyn, NY 11221

Sample ID Sampling Date Client Matrix	NYSDOH Soil Vapor Intrusion Guidance Values	SV-07 7/18/2019 Soil Vapor	SV-08 7/18/2019 Soil Vapor	SV-09 7/18/2019 Soil Vapor
Compound	Indoor Air	Result	Result	Result
<b>Volatile Organics</b>	ug/m3	ug/m3	ug/m3	ug/m3
1,1,1,2-Tetrachloroethane	~	ND	ND	ND
1,1,1-Trichloroethane	~	ND	ND	ND
1,1,2,2-Tetrachloroethane	~	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	ND	ND	ND
1,1,2-Trichloroethane	~	ND	ND	ND
1,1-Dichloroethane	~	ND	ND	ND
1,1-Dichloroethylene	~	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND
1,2,4-Trimethylbenzene	~	7.800	3.800	3.700
1,2-Dibromoethane	~	ND	ND	ND
1,2-Dichlorobenzene	~	ND	ND	ND
1,2-Dichloroethane	~	ND	ND	ND
1,2-Dichloropropane	~	ND	ND	ND
1,2-Dichlorotetrafluoroethane	~	ND	ND	ND
1,3,5-Trimethylbenzene	~	ND	ND	ND
1,3-Butadiene	~	ND	12	5.700
1,3-Dichlorobenzene	~	ND	5.700	4.500
1,3-Dichloropropane	~	ND	ND	ND
1,4-Dichlorobenzene	~	ND	ND	ND
1,4-Dioxane	~	ND	ND	ND
2-Butanone	~	9.800	10	8.800
2-Hexanone	~	ND	ND	ND
3-Chloropropene	~	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND
Acetone	~	35	42	42
Acrylonitrile	~	ND	0.740	ND
Benzene	~	5.600	7.500	3.800
Benzyl chloride	~	ND	ND	ND
Bromodichloromethane	~	ND	ND	ND
Bromoform	~	ND	ND	ND
Bromomethane	~	ND	ND	ND
Carbon disulfide	~	ND	1.900	15
Carbon tetrachloride	~	5	9.600	100
Chlorobenzene	~	ND	3.000	ND
Chloroethane	~	ND	ND	ND
Chloroform	~	19	7.100	13
Chloromethane	~	ND	ND	ND
cis-1,2-Dichloroethylene	~	4	ND	ND
cis-1,3-Dichloropropylene	~	ND	ND	ND
Cyclohexane	~	ND	1.200	4.900
Dibromochloromethane	~	ND	ND	ND
Dichlorodifluoromethane	~	ND	2.400	3.400
Ethyl acetate	~	ND	ND	ND
Ethyl Benzene	~	8	5	3.700
Hexachlorobutadiene	~	ND	ND	ND
Isopropanol	~	12	25	5.800
Methyl Methacrylate	~	ND	ND	ND
Methyl tert-butyl ether (MTBE)	~	ND	ND	ND
Methylene chloride	60	ND	8	8.500
n-Heptane	~	15	7.100	ND
n-Hexane	~	7.300	3.500	5
o-Xylene	~	8	5	4
p- & m- Xylenes	~	26	18	12
p-Ethyltoluene	~	ND	4.500	3.100
Propylene	~	53	77	35
Styrene	~	ND	ND	ND
Tetrachloroethylene	30	750	740	1,200
Tetrahydrofuran	~	ND	3	ND
Toluene	~	33	30	16
trans-1,2-Dichloroethylene	~	ND	ND	ND
trans-1,3-Dichloropropylene	~	ND	ND	ND
Trichloroethylene	2	11,000	910	710
Trichlorofluoromethane (Freon 11)	~	ND	ND	ND
Vinyl acetate	~	ND	ND	ND
Vinyl bromide	~	ND	ND	ND
Vinyl Chloride	~	ND	ND	ND

**NOTES:**

NYSDOH - New York State Department of Health

ug/m3 - micrograms per cubic meter

~ - this indicates that no regulatory limit has been established for this analyte

ND - analyte not detected



Table 2  
Summary of Historical Soil Vapor and Ambient Air Data  
811-817 Lexington Avenue  
Brooklyn, NY 11221

Sample ID	NYSDOH Soil Vapor Intrusion Guidance Values	SV-01 1/10/2018 Soil Vapor	SV-02 1/10/2018 Soil Vapor	SV-03 1/10/2018 Soil Vapor	SV-04 1/10/2018 Soil Vapor	SV-05 1/10/2018 Soil Vapor	SV-06 1/10/2018 Soil Vapor	IA-01 1/10/2018 Ambient Air	OA-01 1/10/2018 Ambient Air	SV-07 7/18/2019 Soil Vapor	SV-08 7/18/2019 Soil Vapor	SV-09 7/18/2019 Soil Vapor
Sampling Date	Indoor Air	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Client Matrix	Compound	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
<b>Volatile Organics</b>	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
1,1,1,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	~	ND	1.300	0.830	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	ND	ND	ND	ND	ND	ND	ND	0.410	ND	ND	ND
1,1,2-Trichloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	~	ND	ND	ND	ND	4.600	0.680	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	~	7.100	4.700	510	4	6.200	11	3.300	3.800	7.800	3.800	3.700
1,2-Dibromoethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	~	1.200	1	1.500	ND	1.100	0.940	ND	ND	ND	ND	ND
1,2-Dichloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	~	3.600	1.800	220	1.600	3.100	4.700	0.810	1.100	ND	ND	ND
1,3-Butadiene	~	47	ND	52	ND	44	21	ND	ND	ND	12	5.700
1,3-Dichlorobenzene	~	4	3	5	ND	3.400	2.500	ND	ND	ND	5.700	4.500
1,3-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	~	1.600	1.400	2.100	ND	1.400	1.200	ND	ND	ND	ND	ND
1,4-Dioxane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	~	18	9.500	12	2	10	12	0.250	1.300	9.800	10	8.800
2-Hexanone	~	7	4.900	71	ND	6.500	5.300	ND	ND	ND	ND	ND
3-Chloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND	ND	ND	ND	0.900	ND	ND	ND	ND
Acetone	~	51	30	35	7.500	27	43	4.700	4.400	35	42	42
Acrylonitrile	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.740	ND
Benzene	~	54	20	47	11	37	31	2.600	1	5.600	7.500	3.800
Benzyl chloride	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	~	22	4.700	22	3.300	22	44	ND	ND	ND	1.900	15
Carbon tetrachloride	~	0.330	1.800	0.400	0.560	2.600	0.890	0.370	0.370	5	9.600	100
Chlorobenzene	~	11	7.400	11	1.600	9.300	6.900	ND	ND	ND	3.000	ND
Chloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	~	5.100	6.600	4.200	ND	14	8.300	ND	ND	19	7.100	13
Chloromethane	~	2.600	1.200	0.950	1.400	1.300	1.300	0.970	0.890	ND	ND	ND
cis-1,2-Dichloroethylene	~	ND	0.370	0.810	0.350	3.600	0.560	ND	ND	4	ND	ND
cis-1,3-Dichloropropylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	~	6.900	3.400	5	1.300	7	3.800	0.350	0.240	ND	1.200	4.900
Dibromochloromethane	~	ND	ND	ND	ND	1.100	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	~	2.900	2.200	1.800	2	2	3.200	1.800	2.200	ND	2.400	3.400
Ethyl acetate	~	4.100	1.700	3.300	ND	2.800	1.800	ND	0.730	ND	ND	ND

**NOTES:**

NYSDOH - New York State Department of Health

ug/m3 - micrograms per cubic meter

~ - this indicates that no regulatory limit has been established for this analyte

ND - analyte not detected

Table 2  
 Summary of Historical Soil Vapor and Ambient Air Data  
 811-817 Lexington Avenue  
 Brooklyn, NY 11221

Sample ID	NYSDOH Soil Vapor Intrusion Guidance Values	SV-01 1/10/2018 Soil Vapor	SV-02 1/10/2018 Soil Vapor	SV-03 1/10/2018 Soil Vapor	SV-04 1/10/2018 Soil Vapor	SV-05 1/10/2018 Soil Vapor	SV-06 1/10/2018 Soil Vapor	IA-01 1/10/2018 Ambient Air	OA-01 1/10/2018 Ambient Air	SV-07 7/18/2019 Soil Vapor	SV-08 7/18/2019 Soil Vapor	SV-09 7/18/2019 Soil Vapor
Sampling Date	Indoor Air	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Client Matrix	Indoor Air	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Compound	Indoor Air	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
<b>Volatile Organics</b>	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Ethyl Benzene	~	8.100	5.100	240	3.400	4.700	6.600	1.500	1.900	8	5	3.700
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropanol	~	10	3.100	ND	2.200	5.100	4.900	ND	0.300	12	25	5.800
Methyl Methacrylate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	60	2.800	ND	2.200	1.300	2.700	1.600	ND	0.410	ND	8	8.500
n-Heptane	~	46	38	34	3.500	20	35	2.600	0.550	15	7.100	ND
n-Hexane	~	81	79	46	6.600	28	62	0.490	0.640	7.300	3.500	5
o-Xylene	~	16	11	510	5.200	12	10	2	2.300	8	5	4
p- & m- Xylenes	~	19	12	1,400	12	14	15	6.400	6	26	18	12
p-Ethyltoluene	~	8.400	5.900	720	4.600	7.500	11	2.400	4	ND	4.500	3.100
Propylene	~	610	170	510	76	520	190	2.600	0.790	53	77	35
Styrene	~	ND	ND	ND	ND	ND	2.400	0.430	ND	ND	ND	ND
Tetrachloroethylene	30	15	450	380	11	150	72	0.360	0.580	750	740	1,200
Tetrahydrofuran	~	36	ND	25	6.100	27	20	ND	0.880	ND	3	ND
Toluene	~	34	20	48	9.600	17	28	4.200	3.200	33	30	16
trans-1,2-Dichloroethylene	~	ND	ND	ND	ND	0.550	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	2	44	970	1,000	28	4,800	520	0.290	0.0860	11,000	910	710
Trichlorofluoromethane (Freon 11)	~	4.500	5	1	1.300	1.600	9.100	1	0.930	ND	ND	ND
Vinyl acetate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl bromide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**NOTES:**

NYSDOH - New York State Department of Health

ug/m3 - micrograms per cubic meter

~ - this indicates that no regulatory limit has been established for this analyte

ND - analyte not detected

# APPENDIX -C

Laboratory Analytical Report

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# Technical Report

prepared for:

**ALC Environmental, Inc.**  
121 West 27th St., Suite 402  
New York NY, 10001  
**Attention: Ewa Poncyliusz**

Report Date: 07/25/2019  
**Client Project ID: 811-817 Lexington Ave Brooklyn, NY 11221**  
York Project (SDG) No.: 19G0827

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
www.YORKLAB.com

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
ClientServices@yorklab.com

Report Date: 07/25/2019  
Client Project ID: 811-817 Lexington Ave Brooklyn, NY 11221  
York Project (SDG) No.: 19G0827

**ALC Environmental, Inc.**  
121 West 27th St., Suite 402  
New York NY, 10001  
Attention: Ewa Poncyliusz

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 18, 2019 with a temperature of C. The project was identified as your project: **811-817 Lexington Ave Brooklyn, NY 11221**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19G0827-01	SV-07	Soil Vapor	07/18/2019	07/18/2019
19G0827-02	SV-08	Soil Vapor	07/18/2019	07/18/2019
19G0827-03	SV-09	Soil Vapor	07/18/2019	07/18/2019

## **General Notes for York Project (SDG) No.: 19G0827**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 07/25/2019





## Sample Information

**Client Sample ID:** SV-07

**York Sample ID:** 19G0827-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19G0827

811-817 Lexington Ave Brooklyn, NY 11221

Soil Vapor

July 18, 2019 8:54 am

07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	11	15.87	EPA TO-15 Certifications:	07/18/2019 18:00	07/19/2019 18:27	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	8.7	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	11	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	12	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	8.7	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	6.4	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	1.6	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	12	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	7.8	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	12	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	9.5	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	6.4	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	7.3	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	11	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	7.8	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	11	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	9.5	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	7.3	15.87	EPA TO-15 Certifications:	07/18/2019 18:00	07/19/2019 18:27	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	9.5	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	11	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
78-93-3	<b>2-Butanone</b>	<b>9.8</b>		ug/m <sup>3</sup>	4.7	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS



### Sample Information

**Client Sample ID:** SV-07

**York Sample ID:** 19G0827-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19G0827

811-817 Lexington Ave Brooklyn, NY 11221

Soil Vapor

July 18, 2019 8:54 am

07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	13	15.87	EPA TO-15 Certifications:	07/18/2019 18:00	07/19/2019 18:27	AS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	25	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	6.5	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
67-64-1	<b>Acetone</b>	<b>35</b>		ug/m <sup>3</sup>	7.5	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	3.4	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
71-43-2	<b>Benzene</b>	<b>5.6</b>		ug/m <sup>3</sup>	5.1	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	8.2	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	11	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	16	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	6.2	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	4.9	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
56-23-5	<b>Carbon tetrachloride</b>	<b>5.0</b>		ug/m <sup>3</sup>	2.5	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	7.3	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	4.2	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
67-66-3	<b>Chloroform</b>	<b>19</b>		ug/m <sup>3</sup>	7.7	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	3.3	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>3.8</b>		ug/m <sup>3</sup>	1.6	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	7.2	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	5.5	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	14	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
75-71-8	Dichlorodifluoromethane	ND		ug/m <sup>3</sup>	7.8	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	11	15.87	EPA TO-15 Certifications:	07/18/2019 18:00	07/19/2019 18:27	AS





### Sample Information

**Client Sample ID:** SV-07

**York Sample ID:** 19G0827-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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19G0827

811-817 Lexington Ave Brooklyn, NY 11221

Soil Vapor

July 18, 2019 8:54 am

07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	7.6		ug/m <sup>3</sup>	6.9	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	17	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
67-63-0	Isopropanol	12		ug/m <sup>3</sup>	7.8	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	6.5	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	5.7	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	11	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
142-82-5	n-Heptane	15		ug/m <sup>3</sup>	6.5	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
110-54-3	n-Hexane	7.3		ug/m <sup>3</sup>	5.6	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
95-47-6	o-Xylene	8.3		ug/m <sup>3</sup>	6.9	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
179601-23-1	p- & m- Xylenes	26		ug/m <sup>3</sup>	14	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	7.8	15.87	EPA TO-15 Certifications:	07/18/2019 18:00	07/19/2019 18:27	AS
115-07-1	* Propylene	53		ug/m <sup>3</sup>	2.7	15.87	EPA TO-15 Certifications:	07/18/2019 18:00	07/19/2019 18:27	AS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	6.8	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
127-18-4	Tetrachloroethylene	750		ug/m <sup>3</sup>	2.7	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	9.4	15.87	EPA TO-15 Certifications:	07/18/2019 18:00	07/19/2019 18:27	AS
108-88-3	Toluene	33		ug/m <sup>3</sup>	6.0	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	6.3	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	7.2	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
79-01-6	Trichloroethylene	11000		ug/m <sup>3</sup>	11	79.35	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 12:38	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	8.9	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	5.6	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	6.9	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS



### Sample Information

**Client Sample ID:** SV-07 **York Sample ID:** 19G0827-01  
**York Project (SDG) No.:** 19G0827 **Client Project ID:** 811-817 Lexington Ave Brooklyn, NY 11221 **Matrix:** Soil Vapor **Collection Date/Time:** July 18, 2019 8:54 am **Date Received:** 07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	1.0	15.87	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/18/2019 18:00	07/19/2019 18:27	AS
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %		70-130						

### Sample Information

**Client Sample ID:** SV-08 **York Sample ID:** 19G0827-02  
**York Project (SDG) No.:** 19G0827 **Client Project ID:** 811-817 Lexington Ave Brooklyn, NY 11221 **Matrix:** Soil Vapor **Collection Date/Time:** July 18, 2019 9:33 am **Date Received:** 07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	2.3	3.404	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 13:26	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	1.9	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	2.3	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	2.6	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	1.9	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	1.4	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.34	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	2.5	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>3.8</b>		ug/m <sup>3</sup>	1.7	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	2.6	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.0	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	1.4	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS



### Sample Information

**Client Sample ID:** SV-08

**York Sample ID:** 19G0827-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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19G0827

811-817 Lexington Ave Brooklyn, NY 11221

Soil Vapor

July 18, 2019 9:33 am

07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	1.6	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	2.4	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.7	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
106-99-0	<b>1,3-Butadiene</b>	<b>12</b>		ug/m <sup>3</sup>	2.3	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
541-73-1	<b>1,3-Dichlorobenzene</b>	<b>5.7</b>		ug/m <sup>3</sup>	2.0	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	1.6	3.404	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 13:26	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.0	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	2.5	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
78-93-3	<b>2-Butanone</b>	<b>10</b>		ug/m <sup>3</sup>	1.0	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	2.8	3.404	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 13:26	AS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	5.3	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	1.4	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
67-64-1	<b>Acetone</b>	<b>42</b>		ug/m <sup>3</sup>	1.6	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
107-13-1	<b>Acrylonitrile</b>	<b>0.74</b>		ug/m <sup>3</sup>	0.74	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
71-43-2	<b>Benzene</b>	<b>7.5</b>	TO-CC V	ug/m <sup>3</sup>	1.1	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.8	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	2.3	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	3.5	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	1.3	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
75-15-0	<b>Carbon disulfide</b>	<b>1.9</b>		ug/m <sup>3</sup>	1.1	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
56-23-5	<b>Carbon tetrachloride</b>	<b>9.6</b>		ug/m <sup>3</sup>	0.54	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
108-90-7	<b>Chlorobenzene</b>	<b>3.0</b>		ug/m <sup>3</sup>	1.6	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS



### Sample Information

**Client Sample ID:** SV-08

**York Sample ID:** 19G0827-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19G0827

811-817 Lexington Ave Brooklyn, NY 11221

Soil Vapor

July 18, 2019 9:33 am

07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.90	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
67-66-3	<b>Chloroform</b>	<b>7.1</b>		ug/m <sup>3</sup>	1.7	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.70	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.34	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.5	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
110-82-7	<b>Cyclohexane</b>	<b>1.2</b>		ug/m <sup>3</sup>	1.2	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	2.9	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.4</b>		ug/m <sup>3</sup>	1.7	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	2.5	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
100-41-4	<b>Ethyl Benzene</b>	<b>5.0</b>		ug/m <sup>3</sup>	1.5	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	3.6	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
67-63-0	<b>Isopropanol</b>	<b>25</b>		ug/m <sup>3</sup>	1.7	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	1.4	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	1.2	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
75-09-2	<b>Methylene chloride</b>	<b>8.0</b>		ug/m <sup>3</sup>	2.4	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
142-82-5	<b>n-Heptane</b>	<b>7.1</b>		ug/m <sup>3</sup>	1.4	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
110-54-3	<b>n-Hexane</b>	<b>3.5</b>		ug/m <sup>3</sup>	1.2	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
95-47-6	<b>o-Xylene</b>	<b>5.0</b>		ug/m <sup>3</sup>	1.5	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>18</b>		ug/m <sup>3</sup>	3.0	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
622-96-8	* <b>p-Ethyltoluene</b>	<b>4.5</b>		ug/m <sup>3</sup>	1.7	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
115-07-1	* <b>Propylene</b>	<b>77</b>		ug/m <sup>3</sup>	0.59	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	1.5	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS



### Sample Information

**Client Sample ID:** SV-08

**York Sample ID:** 19G0827-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19G0827

811-817 Lexington Ave Brooklyn, NY 11221

Soil Vapor

July 18, 2019 9:33 am

07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	3.0		ug/m <sup>3</sup>	2.0	3.404	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 13:26	AS
108-88-3	Toluene	30		ug/m <sup>3</sup>	1.3	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.3	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.5	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	1.9	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	1.2	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	1.5	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.22	3.404	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 13:26	AS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	112 %	70-130							

### Sample Information

**Client Sample ID:** SV-09

**York Sample ID:** 19G0827-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19G0827

811-817 Lexington Ave Brooklyn, NY 11221

Soil Vapor

July 18, 2019 9:32 am

07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	3.9	5.716	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 15:01	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	3.1	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	3.9	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	4.4	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	3.1	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS



### Sample Information

**Client Sample ID:** SV-09

**York Sample ID:** 19G0827-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19G0827

811-817 Lexington Ave Brooklyn, NY 11221

Soil Vapor

July 18, 2019 9:32 am

07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	2.3	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.57	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	4.2	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>3.7</b>		ug/m <sup>3</sup>	2.8	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	4.4	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	3.4	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	2.3	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	2.6	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	4.0	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	2.8	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
106-99-0	<b>1,3-Butadiene</b>	<b>5.7</b>		ug/m <sup>3</sup>	3.8	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
541-73-1	<b>1,3-Dichlorobenzene</b>	<b>4.5</b>		ug/m <sup>3</sup>	3.4	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	2.6	5.716	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 15:01	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	3.4	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	4.1	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
78-93-3	<b>2-Butanone</b>	<b>8.8</b>		ug/m <sup>3</sup>	1.7	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	4.7	5.716	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 15:01	AS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	8.9	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	2.3	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
67-64-1	<b>Acetone</b>	<b>42</b>		ug/m <sup>3</sup>	2.7	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	1.2	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
71-43-2	<b>Benzene</b>	<b>3.8</b>	TO-CC V	ug/m <sup>3</sup>	1.8	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS



### Sample Information

**Client Sample ID:** SV-09

**York Sample ID:** 19G0827-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19G0827

811-817 Lexington Ave Brooklyn, NY 11221

Soil Vapor

July 18, 2019 9:32 am

07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	3.0	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	3.8	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	5.9	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	2.2	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
75-15-0	<b>Carbon disulfide</b>	<b>15</b>		ug/m <sup>3</sup>	1.8	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
56-23-5	<b>Carbon tetrachloride</b>	<b>100</b>		ug/m <sup>3</sup>	0.90	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	2.6	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	1.5	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
67-66-3	<b>Chloroform</b>	<b>13</b>		ug/m <sup>3</sup>	2.8	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	1.2	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.57	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	2.6	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
110-82-7	<b>Cyclohexane</b>	<b>4.9</b>		ug/m <sup>3</sup>	2.0	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	4.9	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
75-71-8	<b>Dichlorodifluoromethane</b>	<b>3.4</b>		ug/m <sup>3</sup>	2.8	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	4.1	5.716	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 15:01	AS
100-41-4	<b>Ethyl Benzene</b>	<b>3.7</b>		ug/m <sup>3</sup>	2.5	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	6.1	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
67-63-0	<b>Isopropanol</b>	<b>5.8</b>		ug/m <sup>3</sup>	2.8	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	2.3	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	2.1	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
75-09-2	<b>Methylene chloride</b>	<b>8.5</b>		ug/m <sup>3</sup>	4.0	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS



### Sample Information

**Client Sample ID:** SV-09

**York Sample ID:** 19G0827-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19G0827

811-817 Lexington Ave Brooklyn, NY 11221

Soil Vapor

July 18, 2019 9:32 am

07/18/2019

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	2.3	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
110-54-3	n-Hexane	5.0		ug/m <sup>3</sup>	2.0	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
95-47-6	o-Xylene	4.0		ug/m <sup>3</sup>	2.5	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
179601-23-1	p- & m- Xylenes	12		ug/m <sup>3</sup>	5.0	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
622-96-8	* p-Ethyltoluene	3.1		ug/m <sup>3</sup>	2.8	5.716	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 15:01	AS
115-07-1	* Propylene	35		ug/m <sup>3</sup>	0.98	5.716	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 15:01	AS
100-42-5	Styrene	ND		ug/m <sup>3</sup>	2.4	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	3.4	5.716	EPA TO-15 Certifications:	07/24/2019 07:00	07/24/2019 15:01	AS
108-88-3	Toluene	16		ug/m <sup>3</sup>	2.2	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	2.3	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	2.6	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
79-01-6	Trichloroethylene	710		ug/m <sup>3</sup>	0.77	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	3.2	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	2.0	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	2.5	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.37	5.716	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2019 07:00	07/24/2019 15:01	AS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	111 %	70-130							







## Sample and Data Qualifiers Relating to This Work Order

- TO-LCS-L The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
- TO-CCV The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).

### Definitions and Other Explanations

- \* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
- ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
- LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
- MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.



For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

---





York Analytical Laboratories, Inc.  
120 Research Drive  
Stratford, CT 06615  
clientservices@yorklab.com  
www.yorklab.com

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Field Chain-of-Custody Record - AIR

YORK Project No.  
**1960827**

This document serves as your written authorization for YORK to proceed with the analyses requested below  
signature binds you to YORK's Standard Terms & Conditions.

<b>YOUR INFORMATION</b>		<b>Report To:</b>		<b>Invoice To:</b>	
Company ALC ENVIRONMENTAL	Company SAME	Company SAME	Company SAME	Company SAME	Company SAME
Address 121 WEST 27th STREET, NYC NY 10001	Address SAME	Address SAME	Address SAME	Address SAME	Address SAME
Phone 212-675-5544	Phone SAME	Phone SAME	Phone SAME	Phone SAME	Phone SAME
Contact EWA PONCYLIUSZ	Contact SAME	Contact SAME	Contact SAME	Contact SAME	Contact SAME
E-mail EWA.PONCYLIUSZ@ALCENVIRONMENTAL.COM	E-mail SAME	E-mail SAME	E-mail SAME	E-mail SAME	E-mail SAME

**Report / EDD Type** (circle selections)

Standard Excel EDD  
EQulS (Standard)  
NYSDEC EQulS  
NJDEP Reduced Deliv  
NJDEP SRP HazSite

**Report / EDD Type** (circle selections)

Summary Report  
QA Report  
NY ASP A Package  
NY ASP B Package  
Other

**CT RCP**  
**CT RCP DQA/DUE**  
**NJDEP Reduced Deliv**  
**NJDEP SRP HazSite**

**YOUR Project Number**  
811-817 Lexington Ave  
BROOKLYN, NY 11221

**YOUR Project Name**  
811-817 Lexington Ave

**YOUR PO#:**

**Report / EDD Type** (circle selections)

Standard Excel EDD  
EQulS (Standard)  
NYSDEC EQulS  
NJDEP Reduced Deliv  
NJDEP SRP HazSite

**YORK Reg. Comp.**  
Compared to the following  
Regulation(s) (please fill in)

**YORK Project No.**  
1960827

**Page** \_\_\_\_\_ **of** \_\_\_\_\_

**Turn-Around Time**  
RUSH - Next Day  
RUSH - Two Day  
RUSH - Three Day  
RUSH - Four Day  
Standard (5-7 Day)

**NOTE:** YORK's Standard Terms & Conditions are listed on the back side of this document  
signature binds you to YORK's Standard Terms & Conditions.

**Report / EDD Type** (circle selections)

Summary Report  
QA Report  
NY ASP A Package  
NY ASP B Package  
Other

**Report / EDD Type** (circle selections)

Standard Excel EDD  
EQulS (Standard)  
NYSDEC EQulS  
NJDEP Reduced Deliv  
NJDEP SRP HazSite

**Report / EDD Type** (circle selections)

Standard Excel EDD  
EQulS (Standard)  
NYSDEC EQulS  
NJDEP Reduced Deliv  
NJDEP SRP HazSite

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NYSDEC EQulS  
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NJDEP SRP HazSite

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Standard Excel EDD  
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NYSDEC EQulS  
NJDEP Reduced Deliv  
NJDEP SRP HazSite

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Standard Excel EDD  
EQulS (Standard)  
NYSDEC EQulS  
NJDEP Reduced Deliv  
NJDEP SRP HazSite

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NJDEP SRP HazSite

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Standard Excel EDD  
EQulS (Standard)  
NYSDEC EQulS  
NJDEP Reduced Deliv  
NJDEP SRP HazSite

**Report / EDD Type** (circle selections)

Standard Excel EDD  
EQulS (Standard)  
NYSDEC EQulS  
NJDEP Reduced Deliv  
NJDEP SRP HazSite



**WHITESTONE**  
ASSOCIATES, INC.

*Environmental & Geotechnical Engineers & Consultants*

35 TECHNOLOGY DRIVE  
WARREN, NJ 07059  
908.668.7777  
FAX 908.754.5936  
www.whitestoneassoc.com

# REPORT OF GEOTECHNICAL INVESTIGATION

**PROPOSED FOUR-STORY BUILDING  
811 LEXINGTON AVENUE  
BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK**



*Prepared for:*

**IMPAACT BROOKLYN  
1224 Bedford Avenue  
Brooklyn, New York 11216**

*Prepared by:*

**WHITESTONE ASSOCIATES, INC.  
35 Technology Drive  
Warren, New Jersey 07059**

**Kyle J. Kopacz  
Geotechnical Engineer**

**Kevin A. Feath, P.E.  
Project Manager**

**Whitestone Project No.:GJ1714824.000  
January 30, 2018**

*Other Office Locations:*

CHALFONT, PA  
215.712.2700

SOUTHBOROUGH, MA  
508.485.0755

ROCKY HILL, CT  
860.726.7889

STERLING, VA  
703.464.5858

EVERGREEN, CO  
303.670.6905



**WHITESTONE**  
ASSOCIATES, INC.

*Environmental & Geotechnical Engineers & Consultants*

35 TECHNOLOGY DRIVE  
WARREN, NJ 07059  
908.668.7777  
FAX 908.754.5936  
www.whitestoneassoc.com

January 30, 2018

*via email*

**IMPAACT BROOKLYN**  
1224 Bedford Avenue  
Brooklyn, New York 11216

Attention: Mr. Lorne Norton

**Regarding: REPORT OF GEOTECHNICAL INVESTIGATION  
PROPOSED FOUR-STORY BUILDING  
811 LEXINGTON AVENUE  
BOROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK  
WHITESTONE PROJECT NO.: GJ1714824.000**

Dear Mr. Norton:

Whitestone Associates, Inc. (Whitestone) is pleased to submit the attached *Report of Geotechnical Investigation* for the above-referenced project. The attached report presents the results of Whitestone's soils exploration efforts and presents recommendations for design of the proposed structural foundations, floor slabs, pavements, and related earthwork associated with the proposed redevelopment.

Whitestone's geotechnical division appreciates the opportunity to be of service to IMPACCT Brooklyn (IMPAACT). Please note that Whitestone has the capability to perform the additional geotechnical engineering services recommended herein. Please contact us at (908) 668-7777 with any questions or comments regarding the enclosed report.

Sincerely,

**WHITESTONE ASSOCIATES, INC.**

Kyle J. Kopacz  
Geotechnical Engineer

Kevin A. Feath, P.E.  
Project Manager

KK/pwd L:\Job Folders\2017\1714824GJ\Reports and Submittals\14824 ROGI.docx  
Enclosures  
Copy: Laurence W. Keller, P.E., Whitestone Associates, Inc.

*Other Office Locations:*

CHALFONT, PA  
215.712.2700

SOUTHBOROUGH, MA  
508.485.0755

ROCKY HILL, CT  
860.726.7889

STERLING, VA  
703.464.5858

EVERGREEN, CO  
303.670.6905

**REPORT OF GEOTECHNICAL INVESTIGATION**  
**PROPOSED FOUR-STORY BUILDING**  
**811 Lexington Avenue**  
**Borough of Brooklyn, Kings County, New York**

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**REPORT OF GEOTECHNICAL INVESTIGATION  
PROPOSED FOUR-STORY BUILDING  
811 Lexington Avenue  
Borough of Brooklyn, Kings County, New York**

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(Continued)**

**FIGURES**

FIGURE 1	Test Location Plan
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**APPENDICES**

APPENDIX A	Records of Subsurface Exploration
APPENDIX B	Laboratory Test Results
APPENDIX C	Supplemental Information (USCS, Terms & Symbols)



## SECTION 1.0

### Summary of Findings

Whitestone Associates, Inc. (Whitestone) has completed an exploration and evaluation of the subsurface conditions for the proposed four-story building located at 811 Lexington Avenue in the Borough of Brooklyn, Kings County, New York. The site of the proposed construction is shown on the *Test Location Plan* included as Figure 1.

At the time of Whitestone's exploration, the site consisted of an existing one-story to two-story abandoned building with a cellar and associated pavements, landscaped areas, and utilities. A topographic survey of the site was not available at the time of this report, however, based on visual observation, the site appeared to be relatively flat lying with grade changes on the order of one foot to two feet.

Based on the April 27, 2017 *Suggested Test Pit & Boring Locations Plan* prepared by Cuono Engineering, PLLC (Cuono) and correspondence with IMPACCT Brooklyn (IMPACCT), the proposed redevelopment will include demolition of the existing site building and construction of an approximately 9,455 square feet (maximum footprint) four-story residential building with associated pavements, stormwater management (SWM) detention system, and utilities. The proposed building will include a partial cellar with a footprint of approximately 4,500 square feet.

The subsurface exploration included performing a reconnaissance of the project site, drilling soil borings, excavating test pits, and collecting soil samples for laboratory analyses. The data from this exploration were analyzed by Whitestone in light of the project information provided by IMPACCT.

A summary of Whitestone's findings and recommendations is presented in the following:

- ▶ **Subsurface Conditions:** The soil borings and test pits were performed within asphalt paved and concrete floor slab portions of the subject site. Tests performed within existing asphalt paved areas encountered one inch to two inches of asphalt at the surface underlain by approximately one inch to two inches of gravel subbase materials. The tests performed within concrete floor slab portions of the site encountered one inch to three inches of concrete at the surface with no apparent subbase. Underlying the surface cover, the borings and test pits encountered existing fill materials (NYC Class 7) that generally consisted of silty sand with variable amounts of gravel and debris. The debris encountered consisted of concrete, brick, and cinders. Borings B-1, B-1A as well as all eight test pits were terminated within the existing fill materials at depths ranging from approximately six feet below ground surface (fbgs) to 13.0 fbgs. Within the remaining borings, the existing fill materials extended to depths ranging between approximately 10.0 fbgs and 12.0 fbgs. Underlying the existing fill material, the borings encountered natural glacial deposits (NYC Class 3b). The glacial deposits generally consisted of: silty sand (USCS: SM)

with variable amounts of gravel, and/or poorly graded sand (USCS: SP and SP-SM) with variable amounts of silt and gravel. The borings that extended past the existing fill materials were terminated within the glacial deposits at the approximate depth of 40.0 fbs. Static groundwater was not encountered as part of this investigation to a maximum depth explored of approximately 40.0 fbs. Groundwater conditions likely will fluctuate seasonally and following periods of precipitation.

Recommendations developed upon consideration of these results are summarized below and presented in greater detail in the following report.

- ▶ **Foundations and Floor Slabs:** Whitestone recommends supporting the proposed structure on conventional shallow foundations and a ground-supported floor slab designed to bear within the underlying medium dense natural site soils and/or on controlled structural fill materials provided they are properly placed and compacted as described herein. Although not generally anticipated throughout the proposed building footprint based on the proposed cellar floor final bearing elevation and the borings performed as part of this investigation, existing fill materials should be completely overexcavated if encountered at or below foundation and floor slab bearing elevations within areas of the proposed building that does not include a cellar due to the significant debris encountered. Foundations bearing within the medium dense natural glacial soils and/or controlled structural fill materials may be designed using a maximum allowable net bearing pressure of 2.0 tons per square foot (tsf). Due to the potential variability within the existing fill materials, areas of existing fill materials below the proposed foundation and floor slab bearing elevations may require additional overexcavation and replacement in controlled lifts. Reuse of the existing fill materials for foundation and/or floor slab support will be contingent upon construction phase evaluation, as described in Sections 5.2, 5.3, and 5.10.
- ▶ **Soil Reusability:** Whitestone anticipates that only portions of the existing fill materials and the majority of underlying natural materials may be reusable as structural fill and/or backfill below proposed foundations and floor slabs where free of deleterious materials and moisture contents are controlled within two percent of the optimum moisture content. The existing fill materials containing significant amounts of deleterious debris, such as the cinders/ash, should not be used as structural backfill. Reuse of the existing fill materials will be contingent on careful inspection in the field by the owner's geotechnical engineer by visual observation and/or test pit excavations during construction as recommended herein. Therefore, soil exchange should be anticipated within the areas of the proposed building footprint that does not include a cellar during overexcavation of the existing fill materials prior to foundation and floor slab support.
- ▶ **Shoring/Adjacent Structures:** Due to the close proximity of the proposed cellar footprint to existing public sidewalks and adjacent structures, a temporary shoring system and potential underpinning will be necessary during construction of the below grade structures associated with the proposed development. Whitestone anticipates that the shoring system will require drilling or substantial pre-excavation to install vertical elements as driving will encounter refusal on obstructions within existing fill materials. Whitestone recommends a pre-construction and post-construction survey of the structures adjacent to the proposed development. These surveys should include documentation, photographs, and/or videotapes of the existing conditions of the adjacent structures prior to construction activities at the subject site and a comparison to a post-

construction survey should be performed to determine possible construction impacted settlements and/or damage to the adjacent structures. These surveys should be conducted to monitor the potential progression of building cracks and the existing pavement condition/distress along the sidewalk and pavement areas. In addition, test explorations to confirm existing foundation conditions are recommended prior to development of underpinning costs and designs.

- ▶ **Excavation Difficulties:** Based on the elevation of the proposed cellar, excavation difficulties should be expected throughout the site due to the presence of obstructions within the existing fill materials. Based on proposed grades, removal of up to approximately 13.0 feet of existing fill will be required for the cellar. Where site grades are lowered, additional excavation difficulties should be anticipated. Conventional excavating equipment likely will be effective in removing most obstructions. However, planned excavation in confined excavations, such as for footing and utility trenches, may require ripping tools and/or pneumatic hammers.

Detailed design criteria and construction recommendations for proposed foundations, slabs, pavements, and earthwork are discussed in the following report.

# **SECTION 2.0**

## **Introduction**

### **2.1 AUTHORIZATION**

Mr. Lorne Norton of IMPACCT issued authorization to Whitestone to perform a geotechnical investigation on this site relevant to the construction of a proposed five-story building. The geotechnical investigation was performed in general accordance with Whitestone's August 25, 2017 revised proposal to IMPACCT.

### **2.2 PURPOSE**

The purpose of this subsurface exploration and analysis was to:

- ▶ ascertain the various soil profile components at test locations;
- ▶ estimate the engineering characteristics of the proposed foundation bearing and subgrade materials;
- ▶ provide geotechnical criteria for use by the design engineers in preparing the foundation, and slab designs;
- ▶ provide recommendations for required earthwork and subgrade preparation;
- ▶ record groundwater and bedrock levels (where encountered) at the time of the investigation and discuss the potential impact on the proposed construction; and
- ▶ recommend additional investigation and/or analysis (if warranted).

### **2.3 SCOPE**

The scope of the exploration and analysis included the subsurface exploration; field testing and sampling; laboratory analysis; and a geotechnical engineering analysis and evaluation of the subsurface materials. This *Report of Geotechnical Investigation* is limited to addressing the site conditions related to the physical support of the proposed construction. Any references to suspicious odors, materials, or conditions are provided strictly for the client's information.

#### **2.3.1 Field Exploration**

Field exploration of the project site was conducted by means of six soil test borings (identified as B-1 through B-5 and offset B-1A) and excavating eight test pits (identified as TP-1 through TP-8) performed

within accessible locations at the subject site. The soil borings were performed with a truck-mounted drill rig using hollow stem augers and split-spoon sampling techniques and the test pits were performed with a track-mounted backhoe. All borings and test pits were performed in accessible areas within the proposed building footprint to depths ranging from approximately six fbs to 40.0 fbs. Soil borings and test pits were backfilled to the surface with soils generated during the investigation upon completion and patched with asphaltic pavement cold patch, where appropriate and as necessary. The locations of the tests are shown on the accompanying *Test Location Plan* included as Figure 1.

The soil borings and test pit were conducted in the presence of a Whitestone engineer who performed field tests, recorded visual classifications, and collected samples of the various strata encountered. The borings and test pits were located in the field using normal taping procedures and estimated right angles. These locations are presumed to be accurate within a few feet.

Soil borings and Standard Penetration Tests (SPTs) were conducted in general accordance with American Society for Testing and Materials (ASTM) designation D 1586. The SPT resistance value (N) can be used as an indicator of the consistency of fine-grained soils and the relative density of coarse-grained soils. The N-value for various soil types can be correlated with the engineering behavior of earthworks and foundations.

Groundwater level observations, if encountered, were recorded during and immediately after the completion of field operations prior to backfilling the borings. Seasonal variations, temperature effects, man-made effects, and recent rainfall conditions may influence the levels of the groundwater, and the observed levels will depend on the permeability of the soils. Groundwater elevations derived from sources other than seasonally observed groundwater monitor wells may not be representative of true groundwater levels.

### **2.3.2 Laboratory Testing Program**

In addition to the field investigation, a supplemental laboratory testing program was conducted to determine additional, pertinent engineering characteristics of representative samples of on-site soils. The laboratory testing program was performed in general accordance with applicable ASTM standard test methods and included physical testing of anticipated proposed foundation subgrade bearing soil.

**Physical/Textural Analysis:** Representative samples of selected strata encountered were subjected to a laboratory testing program that included Atterberg limits determinations (ASTM D 4318), moisture content determinations (ASTM D-2216) and washed gradation analyses (ASTM D-422) in order to perform supplementary engineering soil classifications in general accordance with ASTM D-2487. The soil strata tested were classified by the Unified Soil Classification System (USCS) and results of the laboratory testing are summarized in the following table. Quantitative test results are provided in Appendix B.

<b>PHYSICAL/TEXTURAL ANALYSES SUMMARY</b>							
<b>Boring</b>	<b>Sample</b>	<b>Depth (fbgs)</b>	<b>Natural Moisture Content (%)</b>	<b>Percent Passing No. 200 Sieve</b>	<b>Liquid Limit (%)</b>	<b>Plastic Index (%)</b>	<b>USCS Classification</b>
B-2	S-1	0.0 - 2.0	10.5	14.8	NP	NP	SM (FILL)
B-3	S-4	15.0 - 17.0	3.5	6.9	NP	NP	SP-SM

Notes: NP = Non-Plastic

The engineering classifications are useful when considered in conjunction with the additional site data to estimate properties of the soil types encountered and to predict the soil's behavior under construction and service loads.

## SECTION 3.0 Site Description

### 3.1 LOCATION AND DESCRIPTION

The proposed site redevelopment is located at 811 Lexington Avenue in the Borough of Brooklyn, Kings County, New York. The site is bound to the north by a residential building, to the south by Lexington Avenue followed by commercial buildings, to the east by a vacant lot, and to the west by a commercial building. The site of the proposed construction is shown on the *Test Location Plan* included as Figure 1.

### 3.2 HISTORIC AND EXISTING CONDITIONS

**Surface Cover/Development:** At the time of Whitestone's exploration, the site consisted of an existing one-story to two-story abandoned building with a cellar and associated pavements, landscaped areas, and utilities.

**Topography:** A topographic survey of the site was not available at the time of this report; however, based on visual observation, the site appeared to be relatively flat lying with grade changes on the order of one foot to two feet.

**Utilities:** At the time of Whitestone's subsurface field investigation, the subject site was serviced by utilities including electric, telephone, natural gas, water, sanitary and stormwater sewer lines. The utility information contained in this report is presented for general discussion only and is not intended for construction purposes.

**Site Drainage:** Surface run-off for the site generally follows existing topography draining in the southeasterly direction towards curb inlets located within the adjacent roadways. The termini of these inlets are unknown.

### 3.3 SITE GEOLOGY

The subject site is situated within the western portion of the Coastal Plain Geomorphic Province of Long Island, New York. The area generally is underlain by marine and alluvial deposits of clay, silt, sand, and gravel deposited during the late Cretaceous age. Surficial materials in the site area typically include terminal moraine glacial deposits associated with the Wisconsin Advance that ended approximately 10,000 years ago. Long Island is the result of glacial ice sheet advances and retreats. The uplands of Long Island are a product of moraines and kames, while depressed areas are associated with kettles or valleys carved by meltwater. Surficial soils also included artificial fill associated with past and present development.

### 3.4 PROPOSED CONSTRUCTION

Based on the aforementioned *Suggested Test Pit & Boring Locations Plan* prepared by Cuono and correspondence with IMPACCT, the proposed redevelopment will include demolition of the existing site building and construction of an approximately 9,455 square feet (maximum footprint) four-story residential building with associated pavements, SWM detention system, and utilities. The proposed building will include a partial cellar with a footprint of approximately 4,500 square feet.

Maximum design loads are assumed to be less than the following:

- ▶ column loads - 375 kips;
- ▶ wall loads - 4.0 kips/linear foot; and
- ▶ floor slab loads - 125 pounds per square foot (live load).

The above-referenced structural loads were assumed based upon Whitestone's previous experience with similar facilities and are presented herein for confirmation by the project structural engineer. The average structural loads are anticipated to be less than 1.0 kip per square foot. The scope of Whitestone's investigation and the professional advice contained in this report were generated based on the project details and loading noted herein. Any revisions or additions to the design details enumerated in this report should be brought to the attention of Whitestone for additional evaluation as warranted.



## SECTION 4.0 Subsurface Conditions

Details of the subsurface materials encountered are presented on the *Records of Subsurface Exploration* presented in Appendix A of this report. The subsurface soil conditions encountered in the soil test borings and test pits consisted of the following generalized strata in order of increasing depth.

### 4.1 SUBSURFACE SOIL CONDITIONS

**Surface Cover Materials:** The soil borings and test pits were performed within asphalt paved and concrete floor slab portions of the subject site. Tests performed within existing asphalt paved areas encountered one inch to two inches of asphalt at the surface underlain by approximately one inch to two inches of gravel subbase materials. The tests performed within concrete floor slab portions of the site encountered one inch to three inches of concrete at the surface with no apparent subbase.

**Existing Fill Materials (NYC Class 7):** Underlying the surface cover, the borings and test pits encountered existing fill materials that generally consisted of silty sand with variable amounts of gravel and debris. The debris encountered consisted of concrete, brick, and cinders. Borings B-1, B-1A as well as all eight test pits were terminated within the existing fill materials at depths ranging from approximately six fbgs to 13.0 fbgs. Within the remaining borings, the existing fill materials extended to depths ranging between approximately 10.0 fbgs and 12.0 fbgs. Standard Penetration Test (SPT) N-values within the existing fill materials ranged between two blows per foot (bpf) and refusal (refusal defined as greater than 50 blows per six inches of split-spoon sampler penetration), and averaged approximately 31 bpf.

**Glacial Deposits (NYC Class 3b):** Underlying the existing fill material, the borings encountered natural glacial deposits. The glacial deposits generally consisted of: silty sand (USCS: SM) with variable amounts of gravel, and/or poorly graded sand (USCS: SP and SP-SM) with variable amounts of silt and gravel. The borings that extended beyond the existing fill materials were terminated within the glacial deposits at the approximate depth of 40.0 fbgs. STP N-values within this stratum ranged between 15 bpf and 26 bpf, generally indicating a medium dense relative density and averaging approximately 18 bpf.

### 4.2 GROUNDWATER

Groundwater was not encountered as part of this investigation to a maximum depth explored of 40.0 fbgs. Groundwater conditions likely will fluctuate seasonally and following periods of precipitation.

### 4.3 EXISTING FOUNDATIONS

All eight test pits (identified as TP-1 through TP-8) were excavated adjacent to the foundations on the exterior of the neighboring buildings or the interior of existing site building to expose and document readily-observable existing foundation dimensions. The approximate test pit location is shown on the *Test Location Plan* included as Figure 1. The foundation details disclosed by the test pit are shown on the *Existing Foundation Plans* included as Figures 2A through 2C.

## SECTION 5.0

### Conclusions and Recommendations

#### 5.1 GENERAL

The results of the investigation indicated that the proposed structure may be supported on a conventional shallow foundation system and ground-supported floor slab following overexcavation of existing fill materials where encountered at or below bearing elevations. The underlying medium dense natural soils and/or controlled structural fill will be suitable for support of the proposed foundations and floor slab provided these materials are properly recompacted, proofrolled, and evaluated during the construction phase as described herein. Although not generally anticipated throughout the proposed building footprint based on the proposed cellar floor final bearing elevation and the borings performed as part of this investigation, existing fill materials should be completely overexcavated if encountered at or below foundation and floor slab bearing elevations within areas of the proposed building that does not include a cellar due to the significant debris encountered.

Apparent boulder-sized construction debris were encountered within the existing fill materials as part of this investigation. As such, excavation difficulties should be expected during earthwork performed to achieve final cellar subgrade elevation and footing excavations.

Due to the close proximity of the proposed cellar footprint to existing New York City public sidewalks and adjacent structures, a temporary shoring system and potential underpinning is anticipated to be necessary during construction of below-grade structures associated with the proposed development. Based on the subsurface materials including obstructions within the existing fill materials, Whitestone anticipates that the shoring will need to be drilled or include substantial pre-excavation in order to achieve required bearing depths. Driven or vibrated shoring installation is not expected to be feasible without substantial pre-excavation of the existing fill materials.

#### 5.2 SITE PREPARATION AND EARTHWORK

**Surface Cover Stripping and Demolition:** Prior to stripping and demolition operations, all utilities should be identified and secured. Existing structural elements, such as foundation walls, or any concrete foundations, walls or slabs encountered during excavations, should be removed entirely from below proposed foundations and their zones of influence (as determined by lines extending at least one foot laterally beyond footing edges for each vertical foot of depth) and excavated to at least two feet below proposed construction subgrade levels elsewhere. The resulting excavations should be backfilled to elevations consistent with proposed construction subgrades in accordance with the recommendations of Section 5.3. The demolition contractor should be required to perform all earthwork in accordance with the recommendations in this report including backfilling any excavation, foundation, cellars, etc. with structural fill.

**Surface Preparation/Proofrolling:** Prior to placing any fill or subbase materials to raise grades to the desired subgrade elevations, the existing exposed soils should be compacted to a firm and unyielding surface with several passes in two perpendicular directions of a minimum 10 ton, vibratory drum roller. The surface should be proofrolled with a loaded tandem axle truck in the presence of the geotechnical engineer to help identify loose pockets which may require removal and replacement or further investigation. Fill and backfill should be placed and compacted in accordance with Section 5.3.

**Excavation Difficulties:** Based on the elevation of the proposed cellar, excavation difficulties should be expected throughout the site due to the presence of obstructions within the existing fill materials. Based on proposed grades, removal of approximately 13.0 feet of existing fill materials will be required for the cellar. Heavy excavating equipment with ripping tools will typically be effective in removing obstructions. The speed and ease of excavation will depend on the type of grading equipment and the skill of the equipment operators. Planned excavation in confined excavations, such as for footing and utility trenches, may require ripping tools and/or pneumatic hammers.

**Weather Performance Criteria:** Because the site soils may soften when exposed to water, every effort must be made to maintain drainage of surface water runoff away from construction areas by grading and limiting the exposure of excavations and prepared subgrades to rainfall. Accordingly, excavation and fill placement procedures should be performed during favorable weather conditions. Overexcavation of saturated soils and replacement with structural fill per Section 5.3 of this report may be required prior to resuming work on disturbed subgrade soils.

**Subgrade Protection and Inspection:** Every effort should be made to minimize disturbance of the on-site soils by construction traffic and surface runoff. The on-site soils may deteriorate when subjected to repeated construction traffic or precipitation and may require removal and replacement. These materials also may require drying and aeration during wet periods. The contractor should be responsible for protection of subgrades and minimization of exposure of the site soils to precipitation by covering stockpiles and subgrades with plastic and preventing ponding of water by sealing subgrades before precipitation events and grading the site to allow proper drainage of surface water. All rutting from construction equipment should be removed prior to any forecasted or actual precipitation. The owners's geotechnical engineer should be retained to inspect soil conditions during construction and verify the suitability of prepared foundations and floor slabs subgrades for support of design loads.

The site contractors should employ necessary means and methods to protect the subgrade including, but not limited to the following:

- ▶ sealing exposed subgrade soils on a daily basis with a smooth drum roller operated in static mode;
- ▶ regrading the site as needed to maintain positive drainage away from open earthwork construction areas and to prevent standing water;

- ▶ removing wet surficial soils immediately; and
- ▶ limiting exposure to construction traffic especially following inclement weather and subgrade thawing.

### 5.3 STRUCTURAL FILL AND BACKFILL

**Imported Fill Material:** Any imported material placed as structural fill or backfill to raise elevations or restore design grades should consist of clean, relatively well graded sand or gravel with a maximum particle size of three inches and five percent to 10 percent of material finer than a #200 sieve. Silts, clays, and silty or clayey sands and gravels with higher percentage of fines and with a liquid limit less than 40 and a plasticity index less than 20 may be considered subject to the owner's approval, provided that the required moisture content and compaction controls are met during favorable weather conditions. The material should be free of clay lumps, organics, and deleterious material. Imported structural fill material should be approved by a qualified geotechnical engineer prior to delivery to the site.

**On-Site Material:** Whitestone anticipates that only limited portions of the existing fill materials and a majority of underlying natural materials may be reusable as structural fill and/or backfill below proposed foundations, floor slabs and pavements provided that they are free of deleterious materials and moisture contents are controlled within two percent of the optimum moisture content. The existing fill materials containing significant amounts of deleterious debris, such as the cinders/ash, should not be used as structural backfill. Reuse of the existing fill materials will be contingent on careful inspection in the field by the owner's geotechnical engineer by visual observation and/or test pit excavations during construction as recommended herein. Immediate re-use of on-site soil should not be anticipated. Therefore, soil exchange should be anticipated within the areas of the proposed building footprint that does not include a cellar during overexcavation of the existing fill materials prior to foundation and floor slab support.

Alternatively, imported fill materials may be used to attain the desired grades and expedite earthwork operations during wet weather periods. Allotments in the project schedule, budget, and site area should be provided for soil moisture control and segregation. The use of imported material should be anticipated and included in the site work budget.

**Compaction and Placement Requirements:** All structural fill and backfill should be placed in maximum nine-inch loose lifts and compacted to 95 percent of the maximum dry density within two percent of the optimum moisture content as determined by ASTM D 1557 (Modified Proctor). Whitestone recommends using a vibratory drum roller to compact the on-site soils or a small hand-held vibratory compactor within excavations. Particular attention should be brought to the backfill following demolition and removal of the foundations of the existing building, cellars and/or any below ground structures associated with the former site development.

**Structural Fill Testing:** A sample of the imported fill material or any on-site material proposed for reuse as structural fill or backfill should be submitted to the geotechnical engineer for analysis and approval at least one week prior to its use. The placement of all fill and backfill should be monitored by a qualified engineering technician to ensure that the specified material and lift thicknesses are properly installed. A sufficient number of in-place density tests should be performed to ensure that the specified compaction is achieved throughout the height of the fill or backfill.

#### **5.4 GROUNDWATER CONTROL**

Static groundwater was not encountered during this investigation to a maximum depth explored of approximately 40.0 fbs. Based on the site redevelopment including a full-depth cellar and groundwater levels recorded during this investigation, static groundwater conditions are not anticipated to have a significant impact on the proposed construction. However, trapped/perched groundwater may be encountered within the existing fill materials and/or at the existing fill materials/natural soil interface. Therefore, temporary construction phase dewatering may be necessary for the proposed development. Dewatering of deeper excavations can be expected to require limited overexcavation in order to stabilize disturbed subgrades, installing multiple sump pumps or well points, and backfilling with submerged fill per Section 5.3.

Because the subsurface soils will soften when exposed to water, every effort must be made to maintain drainage of surface water runoff away from construction areas by grading and limiting the exposure of excavations to rainfall. Overexcavation of saturated soils and replacement with controlled structural fill and/or one foot to two feet of open graded gravel (such as 3/4 inch clean crushed stone) may be required prior to resuming work on disturbed subgrade soils.

#### **5.5 FOUNDATIONS**

**Shallow Foundation Design Criteria:** Following complete overexcavation of existing fill materials below foundation influence zones, Whitestone recommends that the proposed structure be supported on conventional shallow spread and continuous wall footings designed to bear either within the medium dense natural glacial deposits and/or controlled structural fill soils provided they are properly placed and compacted as described herein. Foundations bearing within the medium dense glacial deposits and/or controlled structural fill materials may be designed using a maximum allowable net bearing pressure of 2.0 tsf.

Although not generally anticipated throughout the proposed building footprint based on the proposed cellar floor final bearing elevation and the borings performed as part of this investigation, existing fill materials should be completely overexcavated if encountered at or below foundation and floor slab bearing elevations within areas of the proposed building that does not include a cellar due to the

significant debris encountered. If site grades are raised and/or within areas of the proposed building that does not include a cellar, overexcavation of existing fill materials within the proposed building footprint prior to foundation support will be required. All footing bottoms should be improved by in-trench compaction in the presence of the geotechnical engineer. Regardless of loading conditions, proposed foundations should be sized no less than minimum dimensions of 24 inches for continuous wall footings and 36 inches for isolated column footings.

Footings subject to overturning should be designed so that the maximum toe pressure due to the combined effect of vertical loads and overturning moment does not exceed the recommended maximum allowable net bearing pressure. In addition, positive contact pressure should be maintained throughout the base of the footings such that no uplift or tension exists between the base of the footings and the supporting soil. Uplift loads should be resisted by the weight of the concrete. Side friction should be neglected when proportioning the footings so that lateral resistance should be provided by friction resistance at the base of the footings. A coefficient of friction against sliding of 0.35 is recommended for use in the design of the foundations bearing within the underlying natural materials or imported structural fill soils.

**Inspection/Overexcavation Criteria:** Whitestone recommends that the suitability of the bearing soils along the footing bottoms be verified by a geotechnical engineer prior to placing concrete for the footings. Special attention should be given to areas of the site with unsuitable existing fill. In the event that isolated areas of unsuitable materials are encountered in footing excavations, overexcavation and replacement of the materials or deeper foundation embedment may be necessary to provide a suitable footing subgrade. Any overexcavation to be restored with structural fill will need to extend at least one foot laterally beyond footing edges for each vertical foot of overexcavation. Lateral overexcavation may be eliminated if grade is restored with lean concrete. The bottoms of overexcavated areas should be compacted with static smooth drum rollers, walk-behind compactors, vibrating plates or plate tampers (“jumping jacks”) to compact locally disturbed materials and densify any underlying loose zones.

**Settlement:** Whitestone estimates post construction settlements of proposed building foundations on the order of less than approximately one inch if the recommendations outlined in this report are properly implemented.

**Foundation Embedment/Adjacent Foundations:** Footings subject to frost action should be placed at least 48 inches below adjacent exterior grades or the depth required by local building codes to provide protection from frost penetration. Interior footings not subject to frost action may be placed at a minimum depth of 18 inches below the first floor slab subgrade. Foundations in areas adjacent to the existing neighboring building will require special consideration and should be placed at or below the bottom of adjacent footing so additional pressure is not placed on the foundation walls of the adjacent structures. Care should be exercised during construction to avoid undermining the existing foundations.

## 5.6 FLOOR SLAB

Whitestone anticipates that the underlying medium dense natural glacial deposits and/or compacted structural fill placed to raise or restore design elevations are expected to be suitable for support of the proposed floor slab provided these materials are properly compacted and proofrolled in accordance with Sections 5.2, 5.3 and 5.10 of this report during favorable weather conditions.

Existing fill materials should be completely overexcavated where encountered at or below the proposed floor slab bearing elevation. Any areas that become softened or disturbed as a result of wetting and/or repeated exposure to construction traffic should be removed and replaced with compacted structural fill. The properly prepared on-site soils are expected to yield a minimum subgrade modulus (k) of 150 psi/in.

Unless water proofing is provided, a minimum four inch layer of stone should be installed below the floor slabs to provide a capillary break and an impervious membrane should also be provided as a moisture vapor barrier beneath all floor slabs.

## 5.7 LATERAL EARTH PRESSURES

**General:** Based on project information provided, no site retaining walls are proposed for site development. However, the redevelopment will include a cellar within approximately half of the proposed building footprint. Additionally, due to the close proximity of adjacent sidewalks and structures, a temporary shoring system is anticipated to be necessary during construction of the below-grade structures associated with the proposed development.

While the design of the temporary and permanent retaining structures are beyond Whitestone's current scope of work, Whitestone would be pleased to assist with the calculation of lateral earth pressures based on the soil parameters presented herein during the structural design phase when final grading and wall geometries are available.

**Lateral Earth Pressures:** Temporary retaining structures and permanent below-grade walls may be required to resist lateral earth pressures. Proposed retaining structures must be capable of withstanding active and at-rest earth pressures. Due to the additional excavation required for the proposed below-grade levels of the proposed building, the use of temporary retaining structures are anticipated during construction. Retaining/below-grade walls free to rotate generally can be designed to resist active earth pressures. Retaining/below-grade walls corners and restrained walls need to be designed to resist at-rest earth pressures. Such structures should be properly designed by the Owner's engineer. The following soil parameters apply to the encountered subsurface strata and may be used for design of the proposed temporary and permanent retaining structures.



LATERAL EARTH PRESSURE PARAMETERS		
Parameter	On-Site Soils	Imported Granular Backfill
Moist Density ( $\gamma_{\text{moist}}$ )	135 pcf	140 pcf
Internal Friction Angle ( $\phi$ )	28°	30°
Active Earth Pressure Coefficient ( $K_a$ )	0.36	0.33
Passive Earth Pressure Coefficient ( $K_p$ )	2.77	3.00
At-Rest Earth Pressure Coefficient ( $K_o$ )	0.53	0.50

Lateral earth pressure will depend on the backfill slope angle and the wall batter angle. A sloped backfill will add surcharge load and affect the angle of the resultant force. The effect of other surcharges will also need to be included in earth pressure calculations, including the loads imposed by adjacent structures and traffic. The effects of proposed sloped backfill surface grades, and proposed slopes beyond the toe of the retaining structure, if applicable, must be considered when calculating resultant forces to be resisted by the retaining structure. A coefficient of friction of 0.35 against sliding can be used for concrete on the existing site soils. Retaining/below-grade wall footings should be designed so that the combined effect of vertical and horizontal resultants and overturning moment does not exceed the maximum soil bearing capacity provided in Section 5.5.

**Backfill Criteria:** Whitestone recommends that granular soils be used to backfill behind the proposed below-grade walls. The granular backfill materials should consist of clean, relatively well graded sand or gravel with a maximum particle size of three inches and five percent to 15 percent of material finer than a #200 sieve. The material should be free of clay lumps, organics, and deleterious material. Portions of the on-site existing fill materials encountered consisted of poorly graded sand (USCS: SP and SP-SM) which are anticipated to be satisfactory for retaining/below-grade wall backfill. Accordingly, imported granular soils may be required. Maximum density of backfill soil should not exceed the values presented in the table above to avoid creating excessive lateral pressure on the walls during compaction operations.

Whitestone recommends that backfill directly behind any walls be compacted with light, hand-held compactors. Heavy compactors and grading equipment should not be allowed to operate within a zone of influence measured at a 45-degree angle from the base of the walls during backfilling to avoid developing excessive temporary or long-term lateral soil pressures.

**Wall Drainage:** Positive gravity drainage of the backfill should be provided at the base of the retaining/below-grade walls by a series of perforated pipes surrounded by at least 12 inches of clean crushed stone that discharges into a stormwater sewer or daylight to appropriate site surface drainage. Whitestone recommends that a two-foot wide zone of clean crushed stone or washed sand, separated from the backfill by a filter fabric, be constructed adjacent to the back of the wall. This zone should prevent the buildup of hydrostatic pressures and pressures from freezing moisture in the backfill. The vertical drain should be tied into the gravity drainage system (perforated pipe) installed at the base of the wall.

Alternatively, temporary retaining walls may include weep holes instead of a drain tied to the site drainage system. If wall drainage is not provided, the wall should be designed to withstand full hydrostatic pressure.

Whitestone should be notified if any other retaining structures or design considerations requiring lateral earth pressure estimations are proposed. Specific recommendations for temporary retaining structures are beyond Whitestone’s scope of work.

## 5.8 SEISMIC AND LIQUEFACTION CONSIDERATIONS

Based on a review of the subsurface conditions relevant to the *2014 New York City Building Code*, the subject site may be assigned a Site Class D. Based on the seismic zone and soil profile liquefaction considerations are not expected to have a substantial impact on design.

## 5.9 EXCAVATIONS

Temporary excavations less than 20 feet in height should be performed and evaluated in accordance with 29 CFR Part 1926 (OSHA). Based on the results of this investigation, soil conditions and preliminarily estimated soil types are outlined in the table below. Actual conditions encountered during construction should be evaluated by a competent person (as defined by OSHA) to ensure that safe excavation methods and/or shoring and bracing requirements are implemented.

TEMPORARY SLOPES		
Material Type	Soil Type	Maximum Allowable Slope <sup>1</sup>
Existing Fill	Type C	1.5 (H) : 1.0 (V)
Dry to Moist, Natural Soil, Free of Water	Type C	1.5 (H) : 1.0 (V)

Note 1 - As required by OSHA, each soil and rock deposit shall be classified daily by a competent person as Stable Rock, Type A, Type B, or Type C in accordance with 29 CFR Part 1926.

The classification of the deposits shall be made based on the results of at least one visual and at least one manual analysis. Such analyses shall be conducted by a competent person. In a layered system, the system shall be classified in accordance with its weakest layer. However, each layer may be classified individually where a more stable layer lies under a less stable layer.

## 5.10 SUPPLEMENTAL POST INVESTIGATION SERVICES

**Supplemental Evaluation of Existing Fill Materials:** Whitestone anticipates that the existing fill material will not be suitable for foundation and/or floor slab support (if encountered at or below proposed bearing elevations) in its current condition due to the deleterious debris encountered but may be suitable for selective reuse as structural backfill. Whitestone anticipates that only limited portions of the existing fill materials will be suitable for reuse as structural backfill materials following segregation of oversized

and/or objectionable debris and following careful inspection in the field by the owner's geotechnical engineer during construction. There is a potential risk of variability in existing fill, evidenced by the deleterious and significant debris encountered, which may not be disclosed by soil borings performed within accessible areas of the site due to the limited sample size exposed by conventional drilling and sampling methods. Whitestone recommends confirming further the condition of the existing fill for re-use as structural fill by means of supplemental evaluation prior to or during the early stages of construction to identify areas requiring additional removal and possible uncontrolled conditions or deleterious materials not disclosed by the soil borings conducted during this exploration.

**Final Grading Plan Review:** Whitestone recommends that this report be reviewed in its entirety once a final grading plan is developed to evaluate any impacts to the recommendations as a result of any proposed grading alterations.

**Vibration Monitoring:** The subject site is situated within a developed area. The surrounding developments include public sidewalks and buildings. Therefore, care should be maintained while commencing the below-grade excavations and constructing the excavation support system.

While the exact excavation support system is not known at this time, steady state vibrations which are typically generated by driving or drilling are transmitted to the varying distances from the point of impact (pile location). When performing the driving or drilling activities within the interior of a large site, the off-site effects of the ground vibrations are usually negligible. However, when driving piles or drilling large diameter holes near the edges of the property in developed area such as the subject site, ground vibrations can be transmitted into the adjacent facilities and in some instances may cause annoyance or structural damage. Therefore, Whitestone recommends monitoring vibrations during construction, especially during pile driving and backfilling operations, to ensure that vibrations don't effect or damage the adjacent structures.

Based on the U.S. Bureau of Mines studies, risk of structural damage is minimized if the peak velocities generated due to driving operation do not exceed 0.75 inches per second (in/sec) within the range of 10 HZ and 40 HZ for modern structures, 0.25 in/sec within 1 HZ and 10 HZ for historic buildings, and three in/sec within the range of 10 HZ and 100 HZ for buried utilities. Higher allowable peak velocities could be allowed, based on field testing and site specific subsurface conditions.

**Pre-/Post-Construction Surveys:** Whitestone also recommends pre-construction and post-construction surveys of the structures adjacent to the proposed development. These surveys should include documentation, photographs and/or videotapes of the existing conditions of the adjacent structures prior to construction activities at the subject site and a comparison to a post-construction survey should be performed to determine possible construction impacted settlements and/or damage to the adjacent structures. These surveys should be conducted to monitor the potential progression of building cracks and the existing pavement condition/distress along the sidewalks.

## **SECTION 6.0**

### **General Comments**

Supplemental recommendations may be required upon finalization of construction plans or if significant changes are made in the characteristics or location of the proposed structure. Soil bearing conditions should be checked at the appropriate time for consistency with those conditions encountered during Whitestone's geotechnical investigation.

The recommendations presented herein should be utilized by a qualified engineer in preparing the project plans and specifications. The engineer should consider these recommendations as minimum physical standards which may be superseded by local and regional building codes and structural considerations. These recommendations are prepared for the sole use of IMPACCT Brooklyn. for the specific project detailed and should not be used by any third party. These recommendations are relevant to the design phase and should not be substituted for construction specifications.

The possibility exists that conditions between borings may differ from those at specific boring locations, and conditions may not be as anticipated by the designers or contractors. In addition, the construction process may alter soil and rock conditions. Therefore, experienced geotechnical personnel should observe and document the construction procedures used and the conditions encountered.

Whitestone assumes that a qualified contractor will be employed to perform the construction work, and that the contractor will be required to exercise care to ensure all excavations are performed in accordance with applicable regulations and good practice. Particular attention should be paid to avoiding damaging or undermining adjacent properties and maintaining slope stability.

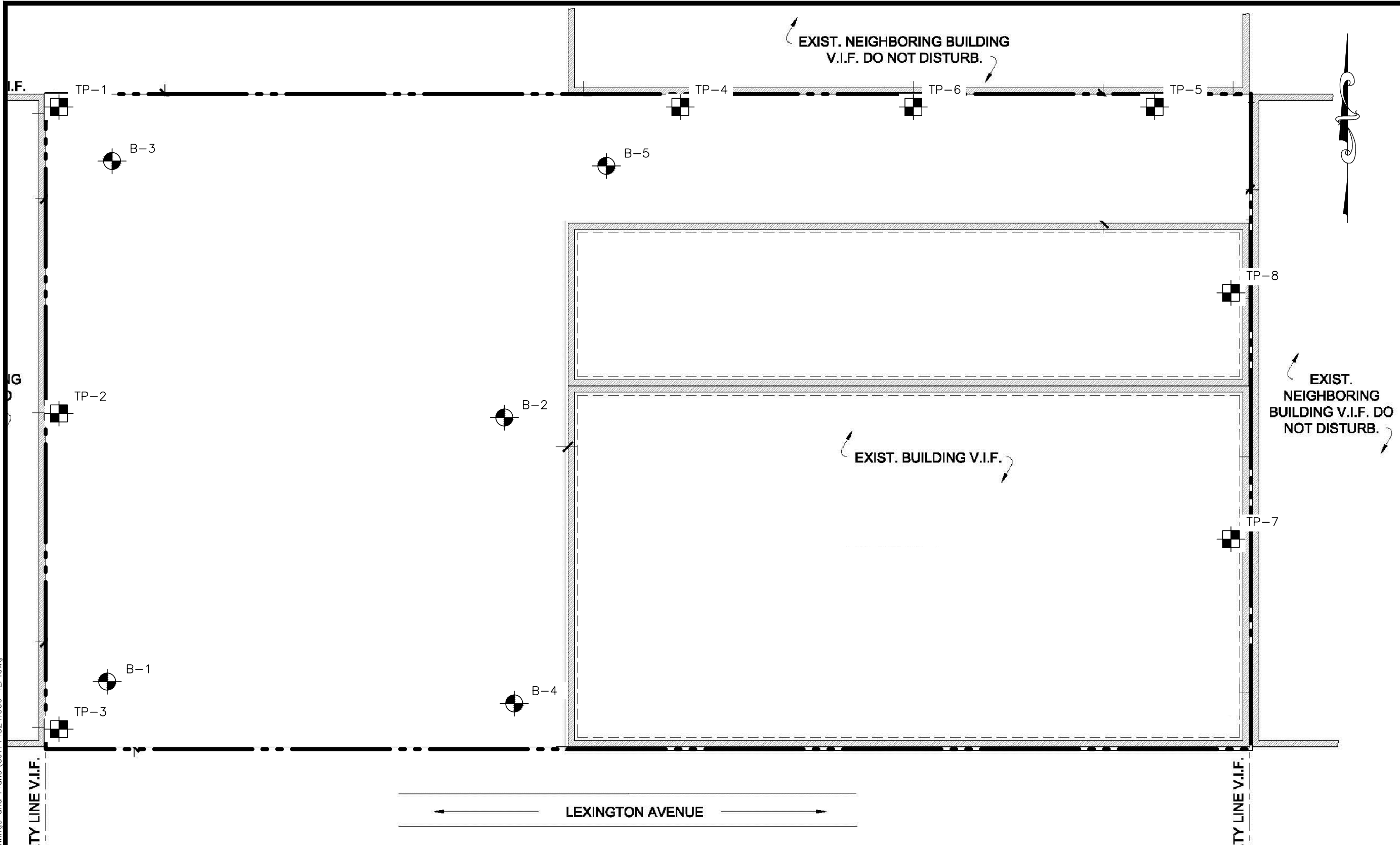
Whitestone recommends that the services of the geotechnical engineer be engaged to test and evaluate the soils in the footing excavations prior to concreting in order to determine that the soils will support the bearing capacities. Monitoring and testing also should be performed to verify that suitable materials are used for controlled fills and that they are properly placed and compacted over suitable subgrade soils.

The exploration and analysis of the foundation conditions reported herein are considered sufficient in detail and scope to form a reasonable basis for the foundation design. The recommendations submitted for the proposed construction are based on the available soil information and the design details furnished by IMPACCT BROOKLYN. Deviations from the noted subsurface conditions encountered during construction should be brought to the attention of the geotechnical engineer.

*The geotechnical engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been promulgated after being prepared in accordance with generally accepted professional engineering practice in the fields of foundation engineering, soil mechanics, and engineering geology. No other warranties are implied or expressed.*

**FIGURE 1**  
**Test Location Plan**

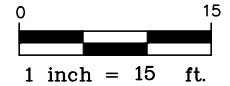
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← LEXINGTON AVENUE →

PROPERTY LINE V.I.F.

ITY LINE V.I.F.



**LEGEND**

TP-1 TEST PIT LOCATION (APPROX.)  
 B-1 BORING LOCATION (APPROX.)  
 SUBJECT PROPERTY BOUNDARY (APPROX.)

**REFERENCE**

THIS PLAN IS BASED ON AN APRIL 27, 2017 SUGGESTED TEST PIT LOCATION PLAN PREPARED BY CUONO ENGINEERING, PLLC.

**WHITESTONE ASSOCIATES, INC.**  
*Environmental & Geotechnical Engineers & Consultants*  
 35 TECHNOLOGY DRIVE, WARREN, NJ 07059  
 908.668.7777 WHITESTONEASSOC.COM



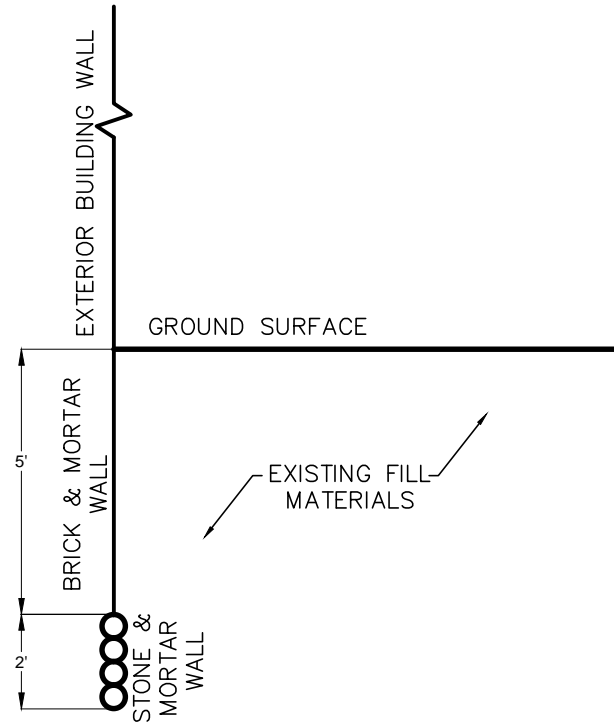
DRAWING TITLE:  
**TEST LOCATION PLAN**

CLIENT:  
**IMPACCT BROOKLYN**

PROJECT:  
PROPOSED FOUR-STORY BUILDING  
811 LEXINGTON AVENUE  
BROOKLYN, KINGS COUNTY, NY

PROJECT #: <b>GJ1714824.000</b>	
DESIGNED BY: <b>GR</b>	PROJ. MGR.: <b>KAF</b>
DATE: <b>1/30/18</b>	FIGURE: <b>1</b>
SCALE: <b>1" = 15'</b>	

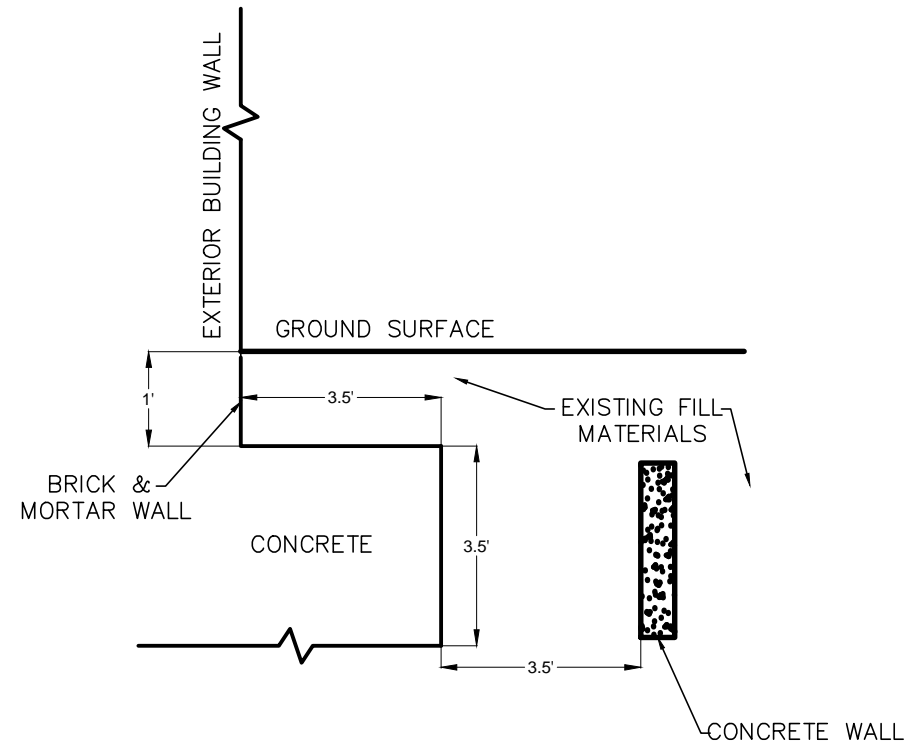
**FIGURES 2A through 2C**  
**Existing Foundation Plans**



CROSS SECTION  
**TP-1 DETAIL**



ELEVATION  
**TEST PIT TP-1**



CROSS SECTION  
**TP-2 DETAIL**



ELEVATION  
**TEST PIT TP-2**

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35 TECHNOLOGY DRIVE, WARREN, NJ 07059  
908.668.7777 WHITESTONEASSOC.COM



DRAWING TITLE:  
**EXISTING FOUNDATION PLAN**

CLIENT:  
**IMPACCT BROOKLYN**

PROJECT:  
PROPOSED FOUR-STORY BUILDING  
811 LEXINGTON AVENUE  
BROOKLYN, KINGS COUNTY, NY

PROJECT #:  
**GJ1714824.000**

DESIGNED BY:  
**GR**

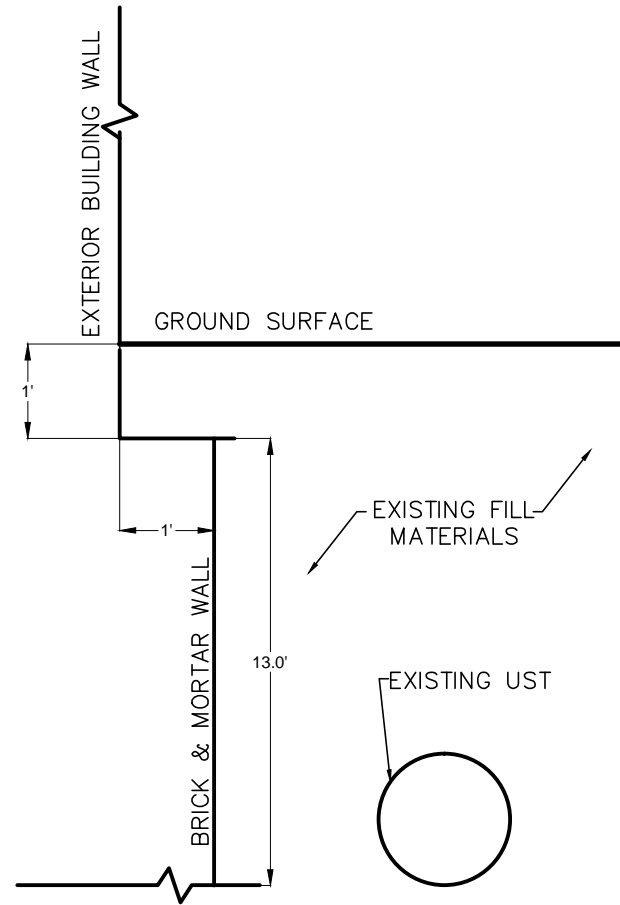
PROJ. MGR.:  
**KAF**

DATE:  
**1/30/18**

FIGURE:  
**2A**

SCALE:  
**N.T.S.**

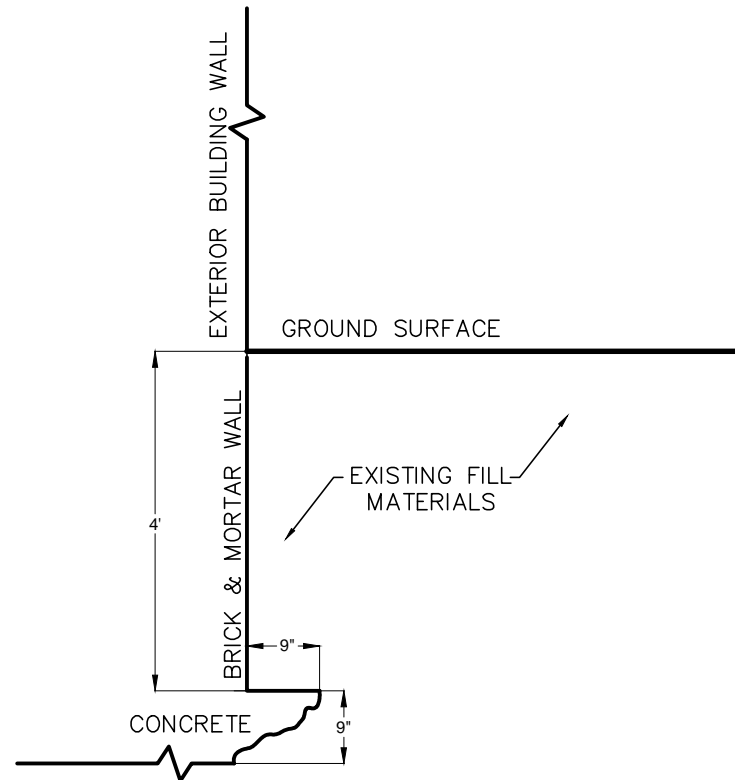




CROSS SECTION  
**TP-3 DETAIL**



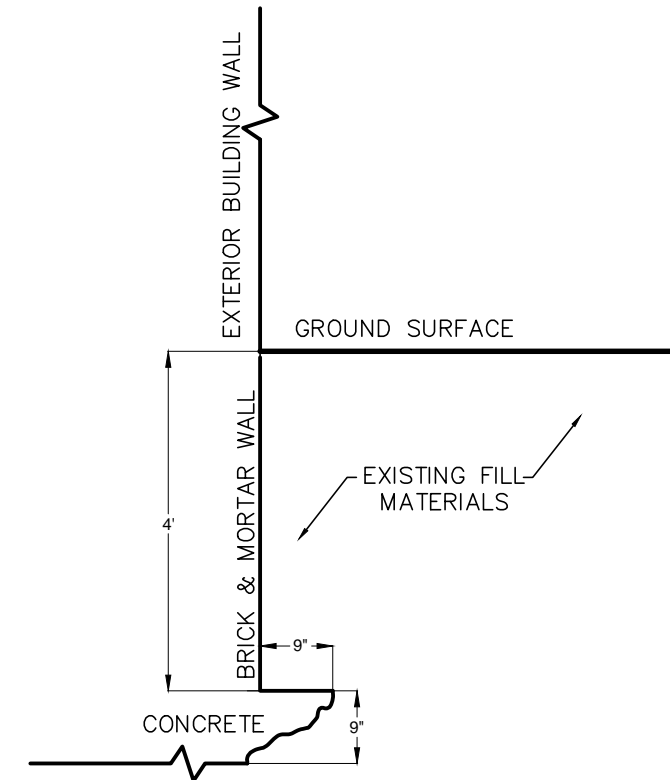
ELEVATION  
**TEST PIT TP-3**



CROSS SECTION  
**TP-4 DETAIL**



ELEVATION  
**TEST PIT TP-4**



CROSS SECTION  
**TP-5 DETAIL**



ELEVATION  
**TEST PIT TP-5**

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*Environmental & Geotechnical Engineers & Consultants*  
 35 TECHNOLOGY DRIVE, WARREN, NJ 07059  
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DRAWING TITLE:  
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CLIENT:  
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PROJECT:  
PROPOSED FOUR-STORY BUILDING  
811 LEXINGTON AVENUE  
BROOKLYN, KINGS COUNTY, NY

PROJECT #:  
**GJ1714824.000**

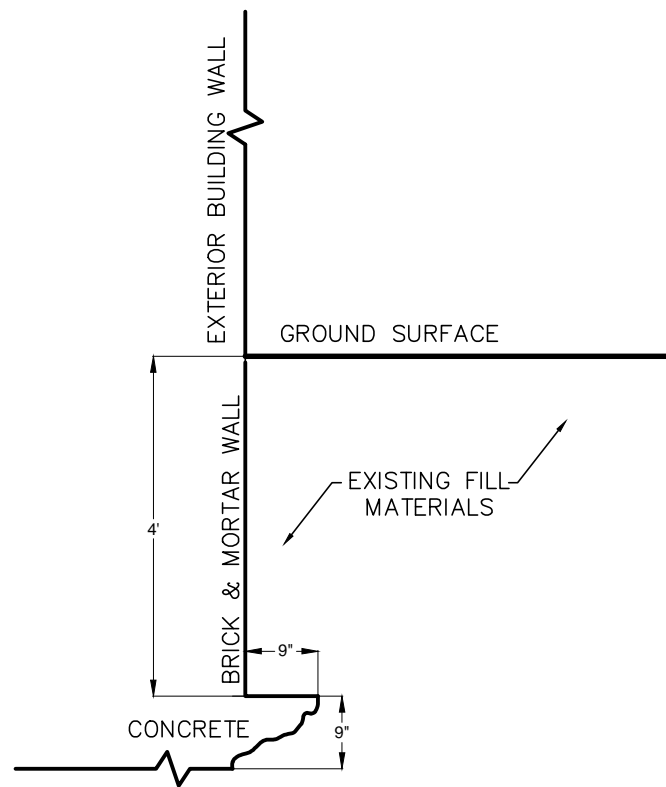
DESIGNED BY:  
**GR**

PROJ. MGR.:  
**KAF**

DATE:  
**1/30/18**

FIGURE:  
**2B**

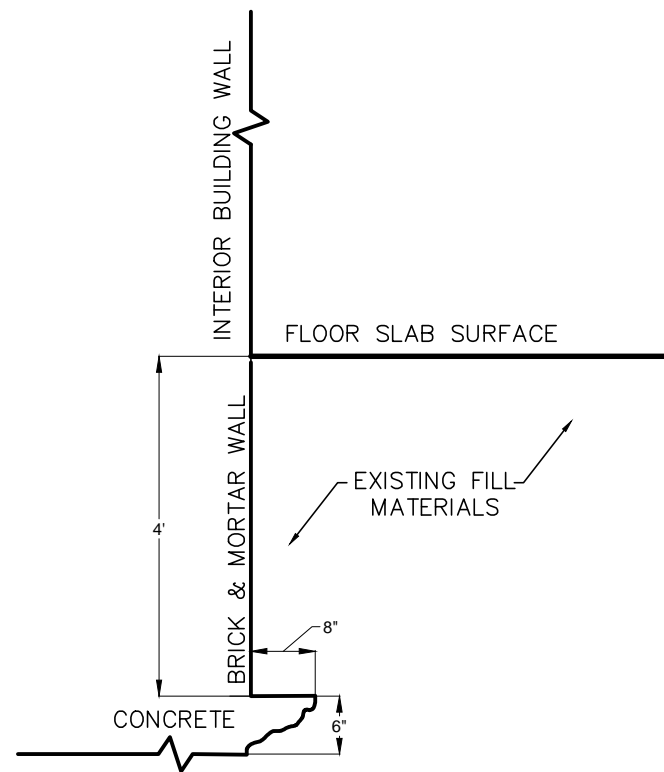
SCALE:  
**N.T.S.**



CROSS SECTION  
**TP-6 DETAIL**



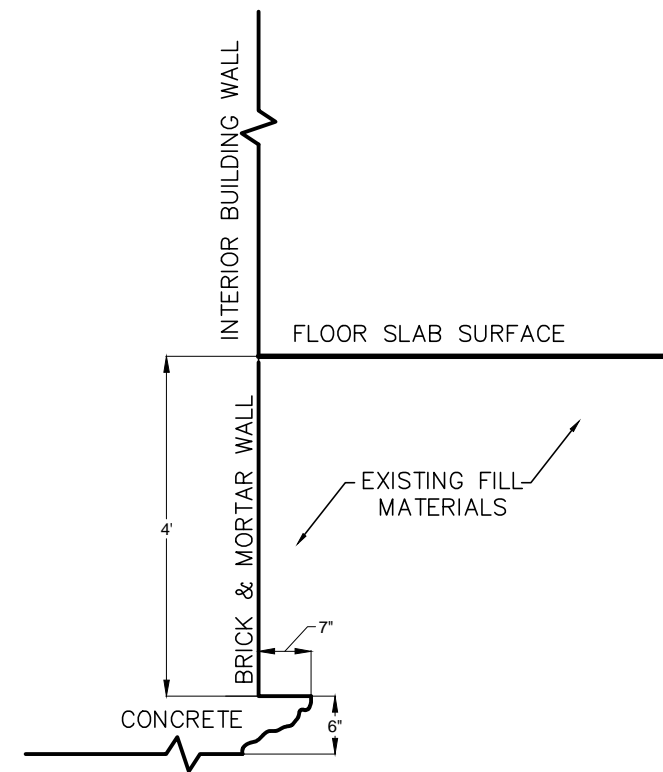
ELEVATION  
**TEST PIT TP-6**



CROSS SECTION  
**TP-7 DETAIL**



ELEVATION  
**TEST PIT TP-7**



CROSS SECTION  
**TP-8 DETAIL**



ELEVATION  
**TEST PIT TP-8**

**WHITESTONE ASSOCIATES, INC.**  
Environmental & Geotechnical Engineers & Consultants  
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DRAWING TITLE:  
**EXISTING FOUNDATION PLAN**

CLIENT:  
**IMPACCT BROOKLYN**

PROJECT:  
PROPOSED FOUR-STORY BUILDING  
811 LEXINGTON AVENUE  
BROOKLYN, KINGS COUNTY, NY

PROJECT #: <b>GJ1714824.000</b>	
DESIGNED BY: <b>GR</b>	PROJ. MGR.: <b>KAF</b>
DATE: <b>1/30/18</b>	FIGURE: <b>2C</b>
SCALE: <b>N.T.S.</b>	

**APPENDIX A**  
**Records of Subsurface Exploration**

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>12.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u>	<b>At Completion:</b> <u>---</u>   <u>---</u>
<b>Proposed Location:</b> <u>Building Pad</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u>	<b>At Completion:</b> <u>DNC</u>   <u>---</u>
<b>Drill / Test Method:</b> <u>HSA / SPT</u>	<b>Contractor:</b> <u>Lawes</u>		<b>24 Hours:</b> <u>---</u>   <u>---</u>
	<b>Equipment:</b> <u>Geoprobe</u>		

SAMPLE INFORMATION						DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	No	Type	Blows Per 6"	Rec. (in.)	N				
						0.0	PAVEMENT	2" Asphalt, 2" Subbase	
0 - 2	S-1		16 - 11 - 4 - 3	10	15	0.3	FILL	Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	Debris: Brick, Cinders, and Concrete
2 - 4	S-2		1 - 3 - 1 - 1	NR	4			No Recovery, Assumed As Above (FILL) (NYC Class 7)	
4 - 6	S-3		1 - 1 - 1 - 1	NR	2	5.0		No Recovery, Assumed As Above (FILL) (NYC Class 7)	
6 - 8	S-4		1 - 1 - 1 - 1	3	2			As Above (FILL) (NYC Class 7)	
8 - 10	S-5		1 - 1 - 2 - 2	2	3	10.0		As Above (FILL) (NYC Class 7)	
						12.0			
						15.0			
						20.0			
						25.0			
								Boring Log B-1 Terminated at a Depth of 12.0 Feet Below Ground Surface Due to Auger Refusal on Obstruction; Offset to B-1A	

NOTES: bgs = below ground surface, NA = Not Applicable, NE = Not Encountered, NS = Not Surveyed, P = Perched

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>13.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   ---   ▾	<b>At Completion:</b> ---   ---   ▾
<b>Proposed Location:</b> <u>Building Pad</u>	<b>Logged By:</b> <u>KK</u>	<b>At Completion:</b> ---   ---   ▾	<b>At Completion:</b> <u>DNC</u>   ---   ▾
<b>Drill / Test Method:</b> <u>HSA / SPT</u>	<b>Contractor:</b> <u>Lawes</u>	<b>24 Hours:</b> ---   ---   ▾	<b>24 Hours:</b> ---   ---   ▾
	<b>Equipment:</b> <u>Geoprobe</u>		

SAMPLE INFORMATION						DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	No	Type	Blows Per 6"	Rec. (in.)	N				
						0.0	PAVEMENT	2" Asphalt, 2" Subbase	
							FILL	Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	Augered to 13.0 fbg
						5.0		As Above (FILL) (NYC Class 7)	
						10.0		As Above (FILL) (NYC Class 7)	
						13.0			
						15.0			
						20.0			
						25.0			
								Boring Log B-1A Terminated at a Depth of 13.0 Feet Below Ground Surface Due to Auger Refusal on Obstruction	

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>40.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u>	<b>At Completion:</b> <u>---</u>   <u>---</u>
<b>Proposed Location:</b> <u>Building Pad</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u>	<b>At Completion:</b> <u>DNC</u>   <u>---</u>
<b>Drill / Test Method:</b> <u>HSA / SPT</u>	<b>Contractor:</b> <u>Lawes</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u>
	<b>Equipment:</b> <u>Geoprobe</u>		

SAMPLE INFORMATION						DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	No	Type	Blows Per 6"	Rec. (in.)	N				
						0.0	PAVEMENT	2" Asphalt, 2" Subbase	
0 - 2	S-1		17 - 20 - 24 - 43	6	44	0.3	FILL	Gray Brown Silty Sand with Gravel and Debris, Moist (FILL) (NYC Class 7)	Debris: Concrete and Brick
2 - 4	S-2		79 - 49 - 45 - 46	10	94	4.0		As Above (FILL) (NYC Class 7)	
						5.0			Augered Past Obstructions 4.0 fbg to 10.0 fbg
10 - 12	S-3		12 - 10 - 11 - 10	10	21	10.0	GLACIAL DEPOSITS	Tan Brown Silty Sand, Moist, Medium Dense (SM) (NYC Class 3b)	
15 - 17	S-4		11 - 8 - 7 - 7	11	15	15.0		Tan Poorly Graded Sand, Moist, Medium Dense (SP) (NYC Class 3b)	
20 - 22	S-5		12 - 10 - 10 - 10	19	20	20.0		As Above (SP) (NYC Class 3b)	
						25.0			

NOTES: bgs = below ground surface, NA = Not Applicable, NE = Not Encountered, NS = Not Surveyed, P = Perched

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>40.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Building Pad</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Drill / Test Method:</b> <u>HSA / SPT</u>	<b>Contractor:</b> <u>Lawes</u>		<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼
	<b>Equipment:</b> <u>Geoprobe</u>		

SAMPLE INFORMATION						DEPTH	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	No	Type	Blows Per 6"	Rec. (in.)	N	(feet)			
						25.0			
25 - 27	S-6	<del>X</del>	10 - 10 - 12 - 12	12	22		GLACIAL DEPOSITS	Tan Poorly Graded Sand, Moist, Medium Dense (SP) (NYC Class 3b)	
						30.0			
30 - 32	S-7	<del>X</del>	15 - 9 - 9 - 11	10	18			As Above (SP) (NYC Class 3b)	
						35.0			
38 - 40	S-8	<del>X</del>	14 - 10 - 9 - 10	12	19	40.0		As Above (SP) (NYC Class 3b)	
						45.0			
						50.0			
Boring Log B-2 Terminated at a Depth of 40.0 Feet Below Ground Surface									

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>40.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>21.0</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Building Pad</u>	<b>Logged By:</b> <u>KK</u>	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼
<b>Drill / Test Method:</b> <u>HSA / SPT</u>	<b>Contractor:</b> <u>Lawes</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼
	<b>Equipment:</b> <u>Geoprobe</u>		

SAMPLE INFORMATION						DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	No	Type	Blows Per 6"	Rec. (in.)	N				
						0.0	PAVEMENT	2" Asphalt, 2" Subbase	
0 - 2	S-1	X	8 - 21 - 19 - 15	6	40	0.3	FILL	Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	Debris: Concrete and Brick
2 - 4	S-2	X	9 - 13 - 16 - 20	4	29			As Above (FILL) (NYC Class 7)	
						5.0		Augered Past Obstructions	
10 - 12	S-3	X	16 - 11 - 10 - 11	8	21	10.0	GLACIAL DEPOSITS	Tan Brown Silty Sand, Moist, Medium Dense (SM) (NYC Class 3b)	
15 - 17	S-4	X	10 - 8 - 8 - 8	20	16	15.0		Tan Poorly Graded Sand with Silt, Moist, Medium Dense (SP-SM) (NYC Class 3b)	
20 - 22	S-5	X	13 - 10 - 12 - 16	9	22	20.0		As Above (SP-SM) (NYC Class 3b)	
						25.0			

NOTES: bgs = below ground surface, NA = Not Applicable, NE = Not Encountered, NS = Not Surveyed, P = Perched



# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>40.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Building Pad</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Drill / Test Method:</b> <u>HSA / SPT</u>	<b>Contractor:</b> <u>Lawes</u>		<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼
	<b>Equipment:</b> <u>Geoprobe</u>		

SAMPLE INFORMATION						DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	No	Type	Blows Per 6"	Rec. (in.)	N				
						25.0			
25 - 27	S-6	<del>X</del>	12 - 10 - 11 - 16	10	21		GLACIAL DEPOSITS	Tan Poorly Graded Sand, Moist, Medium Dense (SP) (NYC Class 3b)	
						30.0			
30 - 32	S-7	<del>X</del>	12 - 8 - 6 - 7	8	14			As Above (SP) (NYC Class 3b)	
						35.0			
38 - 40	S-8	<del>X</del>	13 - 9 - 12 - 13	16	21	40.0		As Above (SP) (NYC Class 3b)	
						45.0			
						50.0			
Boring Log B-3 Terminated at a Depth of 40.0 Feet Below Ground Surface									

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/8/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>40.0</u> feet bgs	<b>Date Completed:</b> <u>1/8/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u>   <u>▼</u>	<b>At Completion:</b> <u>---</u>   <u>---</u>   <u>▼</u>
<b>Proposed Location:</b> <u>Building Pad</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u>   <u>▼</u>	<b>At Completion:</b> <u>17.0</u>   <u>---</u>   <u>▼</u>
<b>Drill / Test Method:</b> <u>HSA / SPT</u>	<b>Contractor:</b> <u>Lawes</u>	<b>Equipment:</b> <u>Geoprobe</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u>   <u>▼</u>

SAMPLE INFORMATION						DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	No	Type	Blows Per 6"	Rec. (in.)	N				
						0.0	PAVEMENT	2" Asphalt, 2" Subbase	
0 - 2	S-1	X	21 - 10 - 11 - 14	6	21	0.3	FILL	Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	Debris: Concrete and Brick
2 - 4	S-2	X	16 - 8 - 22 - 14	8	30			As Above (FILL) (NYC Class 7)	
4 - 6	S-3	X	15 - 21 - 29 - 30	6	50	5.0		As Above (FILL) (NYC Class 7)	
6 - 8	S-4	X	6 - 10 - 11 - 15	4	21			As Above (FILL) (NYC Class 7)	
8 - 10	S-5	X	16 - 12 - 9 - 9	9	21	10.0	GLACIAL DEPOSITS	Tan Poorly Graded Sand, Moist, Medium Dense (SP) (NYC Class 3b)	
10 - 12	S-6	X	9 - 9 - 10 - 11	10	19			As Above (SP) (NYC Class 3b)	
15 - 17	S-7	X	12 - 10 - 9 - 11	8	19	15.0		As Above (SP) (NYC Class 3b)	
20 - 22	S-8	X	17 - 15 - 14 - 14	20	21	20.0		As Above (SP) (NYC Class 3b)	
						25.0			

NOTES: bgs = below ground surface, NA = Not Applicable, NE = Not Encountered, NS = Not Surveyed, P = Perched

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/8/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>40.0</u> feet bgs	<b>Date Completed:</b> <u>1/8/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Building Pad</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Drill / Test Method:</b> <u>HSA / SPT</u>	<b>Contractor:</b> <u>Lawes</u>		<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼
	<b>Equipment:</b> <u>Geoprobe</u>		

SAMPLE INFORMATION						DEPTH	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	No	Type	Blows Per 6"	Rec. (in.)	N	(feet)			
						25.0	GLACIAL DEPOSITS	Tan Poorly Graded Sand, Moist (SP) (NYC Class 3b)	
30 - 32	S-9	X	12 - 11 - 10 - 9	11	21	30.0		As Above, Medium Dense (SP) (NYC Class 3b)	
						35.0			
38 - 40	S-10	X	9 - 9 - 8 - 8	6	17	40.0		As Above (SP) (NYC Class 3b)	
						45.0		Boring Log B-4 Terminated at a Depth of 40.0 Feet Below Ground Surface	
						50.0			

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/8/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>40.0</u> feet bgs	<b>Date Completed:</b> <u>1/8/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>14.0</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Building Pad</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼
<b>Drill / Test Method:</b> <u>HSA / SPT</u>	<b>Contractor:</b> <u>Lawes</u>		
	<b>Equipment:</b> <u>Geoprobe</u>		

SAMPLE INFORMATION						DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	No	Type	Blows Per 6"	Rec. (in.)	N				
						0.0	PAVEMENT	1" Asphalt, 1" Subbase	
0 - 0.5	S-1	<del>X</del>	17 - 34 - 50/0"	4	84/6"	0.2	FILL	Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	Debris: Concrete and Brick Augered Past Obstructions 1.0 fbg to 10.0 fbg
10 - 12	S-3	<del>X</del>	14 - 15 - 11 - 9	6	26	10.0	GLACIAL DEPOSITS	Tan Brown Silty Sand, Moist, Medium Dense (SM) (NYC Class 3b)	
15 - 17	S-4	<del>X</del>	11 - 10 - 10 - 9	11	20	15.0		Tan Poorly Graded Sand, Moist, Medium Dense (SP) (NYC Class 3b)	
20 - 22	S-5	<del>X</del>	19 - 11 - 11 - 13	18	22	20.0		As Above (SP) (NYC Class 3b)	
						25.0			

NOTES: bgs = below ground surface, NA = Not Applicable, NE = Not Encountered, NS = Not Surveyed, P = Perched

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/8/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>40.0</u> feet bgs	<b>Date Completed:</b> <u>1/8/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Building Pad</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Drill / Test Method:</b> <u>HSA / SPT</u>	<b>Contractor:</b> <u>Lawes</u>		<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼
	<b>Equipment:</b> <u>Geoprobe</u>		

SAMPLE INFORMATION						DEPTH	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (feet)	No	Type	Blows Per 6"	Rec. (in.)	N	(feet)			
						25.0			
25 - 27	S-6	<del>X</del>	16 - 12 - 13 - 15	10	25		GLACIAL DEPOSITS	Tan Poorly Graded Sand, Moist, Medium Dense (SP) (NYC Class 3b)	
						30.0			
30 - 32	S-7	<del>X</del>	17 - 11 - 9 - 10	8	25			As Above (SP) (NYC Class 3b)	
						35.0			
38 - 40	S-8	<del>X</del>	12 - 10 - 10 - 9	12	18	40.0		As Above (SP) (NYC Class 3b)	
						45.0			
						50.0			
								Boring Log B-5 Terminated at a Depth of 40.0 Feet Below Ground Surface	

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>8.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Existing Foundation</u>	<b>Logged By:</b> <u>KK</u>	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Excavating Method:</b> <u>Test Pit Excavation</u>	<b>Contractor:</b> <u>MC</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	
<b>Test Method:</b> <u>Visual Observation</u>	<b>Rig Type:</b> <u>Deere</u>		

SAMPLE INFORMATION			DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (ft.)	Number	Type				
			0.0			
			0.3	PAVEMENT FILL	2" Asphalt, 2" Subbase Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	
			5.0		As Above (FILL) (NYC Class 7)	
			8.0			
			10.0			
			15.0			
					Test Pit Log TP-1 Terminated at a Depth of 8.0 Feet Below Ground Surface	

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>6.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Existing Foundation</u>	<b>Logged By:</b> <u>KK</u>	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼	
<b>Excavating Method:</b> <u>Test Pit Excavation</u>	<b>Contractor:</b> <u>MC</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	
<b>Test Method:</b> <u>Visual Observation</u>	<b>Rig Type:</b> <u>Deere</u>		

SAMPLE INFORMATION			DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (ft.)	Number	Type				
			0.0			
			0.3	PAVEMENT	2" Asphalt, 2" Subbase	
				FILL	Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	
			5.0			
			6.0		As Above (FILL) (NYC Class 7)	
					Test Pit Log TP-2 Terminated at a Depth of 6.0 Feet Below Ground Surface	
			10.0			
			15.0			

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>13.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u>   <u>▼</u>	<b>At Completion:</b> <u>---</u>   <u>---</u>   <u>▼</u>
<b>Proposed Location:</b> <u>Existing Foundation</u>	<b>Logged By:</b> <u>KK</u>	<b>At Completion:</b> <u>---</u>   <u>---</u>   <u>▼</u>	<b>At Completion:</b> <u>DNC</u>   <u>---</u>   <u>▼</u>
<b>Excavating Method:</b> <u>Test Pit Excavation</u>	<b>Contractor:</b> <u>MC</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u>   <u>▼</u>	
<b>Test Method:</b> <u>Visual Observation</u>	<b>Rig Type:</b> <u>Deere</u>		

SAMPLE INFORMATION			DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (ft.)	Number	Type				
			0.0			
			0.3	PAVEMENT FILL	2" Asphalt, 2" Subbase Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	
			5.0		As Above (FILL) (NYC Class 7)	
			10.0		As Above (FILL) (NYC Class 7)	Existing Tank Observed
			13.0		Test Pit Log TP-3 Terminated at a Depth of 13.0 Feet Below Ground Surface	
			15.0			



# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>6.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Existing Foundation</u>	<b>Logged By:</b> <u>KK</u>	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼	
<b>Excavating Method:</b> <u>Test Pit Excavation</u>	<b>Contractor:</b> <u>MC</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	
<b>Test Method:</b> <u>Visual Observation</u>	<b>Rig Type:</b> <u>Deere</u>		

SAMPLE INFORMATION			DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (ft.)	Number	Type				
			0.0			
			0.3	PAVEMENT	3" Concrete Slab	
				FILL	Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	
			5.0			
			6.0		As Above (FILL) (NYC Class 7)	
					Test Pit Log TP-4 Terminated at a Depth of 6.0 Feet Below Ground Surface	
			10.0			
			15.0			

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>6.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Existing Foundation</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Excavating Method:</b> <u>Test Pit Excavation</u>	<b>Contractor:</b> <u>MC</u>		
<b>Test Method:</b> <u>Visual Observation</u>	<b>Rig Type:</b> <u>Deere</u>		

SAMPLE INFORMATION			DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (ft.)	Number	Type				
			0.0			
			0.3	PAVEMENT FILL	3" Concrete Slab Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	
			5.0		As Above (FILL) (NYC Class 7)	
			6.0		Test Pit Log TP-5 Terminated at a Depth of 6.0 Feet Below Ground Surface	
			10.0			
			15.0			

NOTES: bgs = below ground surface, DNC = Did Not Cave, NA = Not Applicable, NE = Not Encountered, NS = Not Surveyed, P = Perched

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/3/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>6.0</u> feet bgs	<b>Date Completed:</b> <u>1/3/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Existing Foundation</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Excavating Method:</b> <u>Test Pit Excavation</u>	<b>Contractor:</b> <u>MC</u>		
<b>Test Method:</b> <u>Visual Observation</u>	<b>Rig Type:</b> <u>Deere</u>		

SAMPLE INFORMATION			DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (ft.)	Number	Type				
			0.0			
			0.3	PAVEMENT FILL	3" Concrete Slab Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	
			5.0		As Above (FILL) (NYC Class 7)	
			6.0		Test Pit Log TP-6 Terminated at a Depth of 6.0 Feet Below Ground Surface	
			10.0			
			15.0			

# RECORD OF SUBSURFACE EXPLORATION

<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/8/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>6.0</u> feet bgs	<b>Date Completed:</b> <u>1/8/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Existing Foundation</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Excavating Method:</b> <u>Test Pit Excavation</u>	<b>Contractor:</b> <u>MC</u>		
<b>Test Method:</b> <u>Visual Observation</u>	<b>Rig Type:</b> <u>Deere</u>		

SAMPLE INFORMATION			DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (ft.)	Number	Type				
			0.0			
			0.3	PAVEMENT FILL	3" Concrete Slab Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	Performed on First Floor
			5.0		As Above (FILL) (NYC Class 7)	
			6.0		Test Pit Log TP-7 Terminated at a Depth of 6.0 Feet Below Ground Surface	
			10.0			
			15.0			

NOTES: bgs = below ground surface, DNC = Did Not Cave, NA = Not Applicable, NE = Not Encountered, NS = Not Surveyed, P = Perched

# RECORD OF SUBSURFACE EXPLORATION

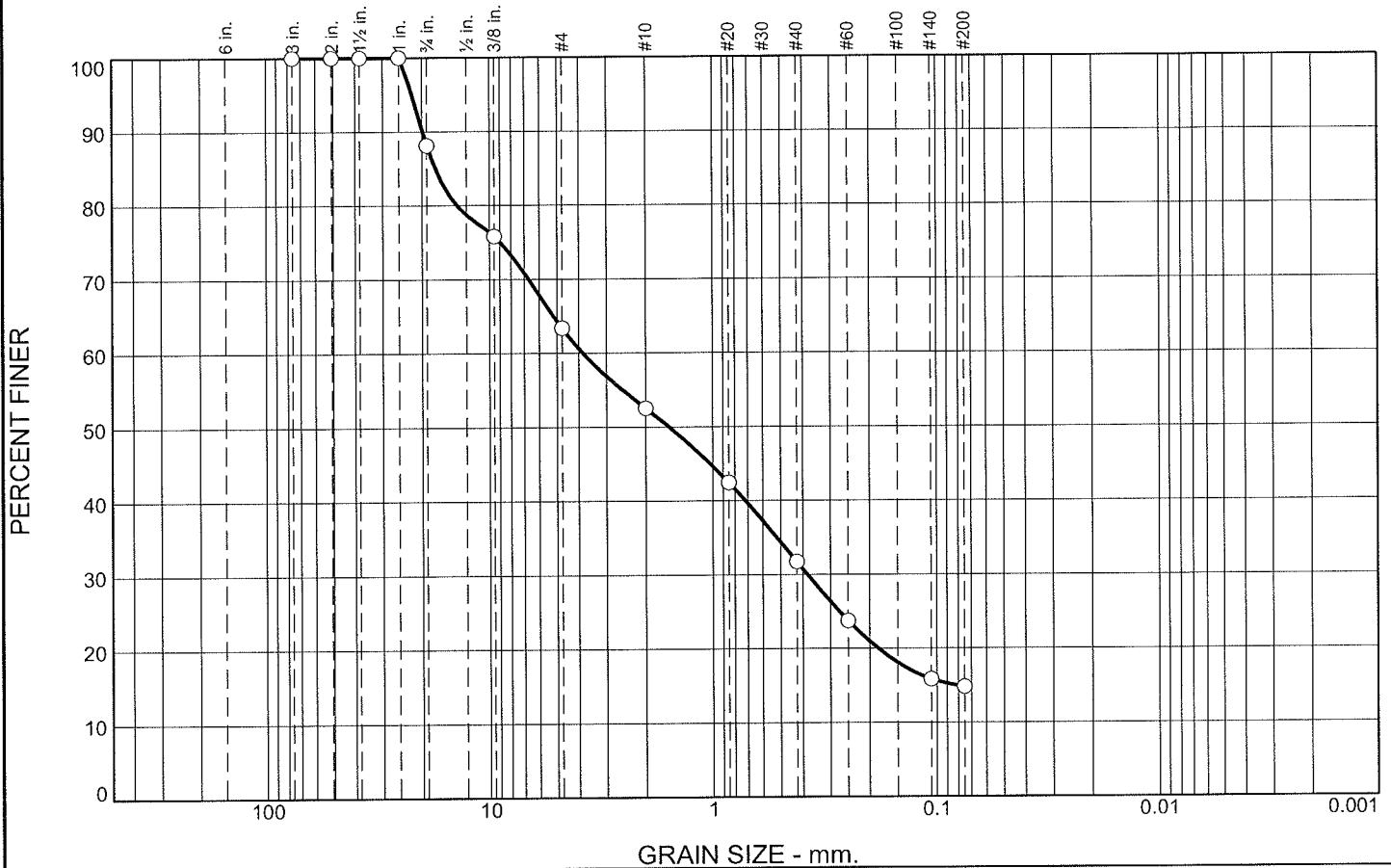
<b>Project:</b> Proposed Four-Story Building		<b>WAI Project No.:</b> GJ1714824.000	
<b>Location:</b> 811 Lexington Avenue; Brooklyn, Kings County, NY		<b>Client:</b> IMPACCT Brooklyn	
<b>Surface Elevation:</b> ± <u>NS</u> feet	<b>Date Started:</b> <u>1/8/2018</u>	<b>Water Depth   Elevation</b> (feet bgs)   (feet)	<b>Cave-In Depth   Elevation</b> (feet bgs)   (feet)
<b>Termination Depth:</b> <u>6.0</u> feet bgs	<b>Date Completed:</b> <u>1/8/2018</u>	<b>During:</b> <u>NE</u>   <u>---</u> ▼	<b>At Completion:</b> <u>---</u>   <u>---</u> ▼
<b>Proposed Location:</b> <u>Existing Foundation</u>	<b>Logged By:</b> <u>KK</u>	<b>24 Hours:</b> <u>---</u>   <u>---</u> ▼	<b>At Completion:</b> <u>DNC</u>   <u>---</u> ▼
<b>Excavating Method:</b> <u>Test Pit Excavation</u>	<b>Contractor:</b> <u>MC</u>		
<b>Test Method:</b> <u>Visual Observation</u>	<b>Rig Type:</b> <u>Deere</u>		

SAMPLE INFORMATION			DEPTH (feet)	STRATA	DESCRIPTION OF MATERIALS (Classification)	REMARKS
Depth (ft.)	Number	Type				
			0.0	PAVEMENT	1" Concrete Slab	
			0.1	FILL	Gray Brown Silty Sand with Debris, Moist (FILL) (NYC Class 7)	Performed on First Floor
			5.0		As Above (FILL) (NYC Class 7)	
			6.0		Test Pit Log TP-8 Terminated at a Depth of 6.0 Feet Below Ground Surface	
			10.0			
			15.0			

# **APPENDIX B**

## **Laboratory Test Results**

# Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	11.9	24.7	10.9	20.7	17.0	14.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3	100.0		
2	100.0		
1.5	100.0		
1	100.0		
.75	88.1		
.375	75.8		
#4	63.4		
#10	52.5		
#20	42.5		
#40	31.8		
#60	23.8		
#140	15.8		
#200	14.8		

**Material Description**

Silty Sand with Gravel (FILL)

**Atterberg Limits**

PL= NP      LL= NV      PI= NP

**Coefficients**

D<sub>90</sub>= 19.9038      D<sub>85</sub>= 17.4726      D<sub>60</sub>= 3.8312  
D<sub>50</sub>= 1.5744      D<sub>30</sub>= 0.3806      D<sub>15</sub>= 0.0812  
D<sub>10</sub>=                  C<sub>u</sub>=                  C<sub>c</sub>=

**Classification**

USCS= SM (FILL)      AASHTO= A-1-b

**Remarks**

W<sub>n</sub> = 10.5 %

\* (no specification provided)

Source of Sample: B-2  
Sample Number: S-1

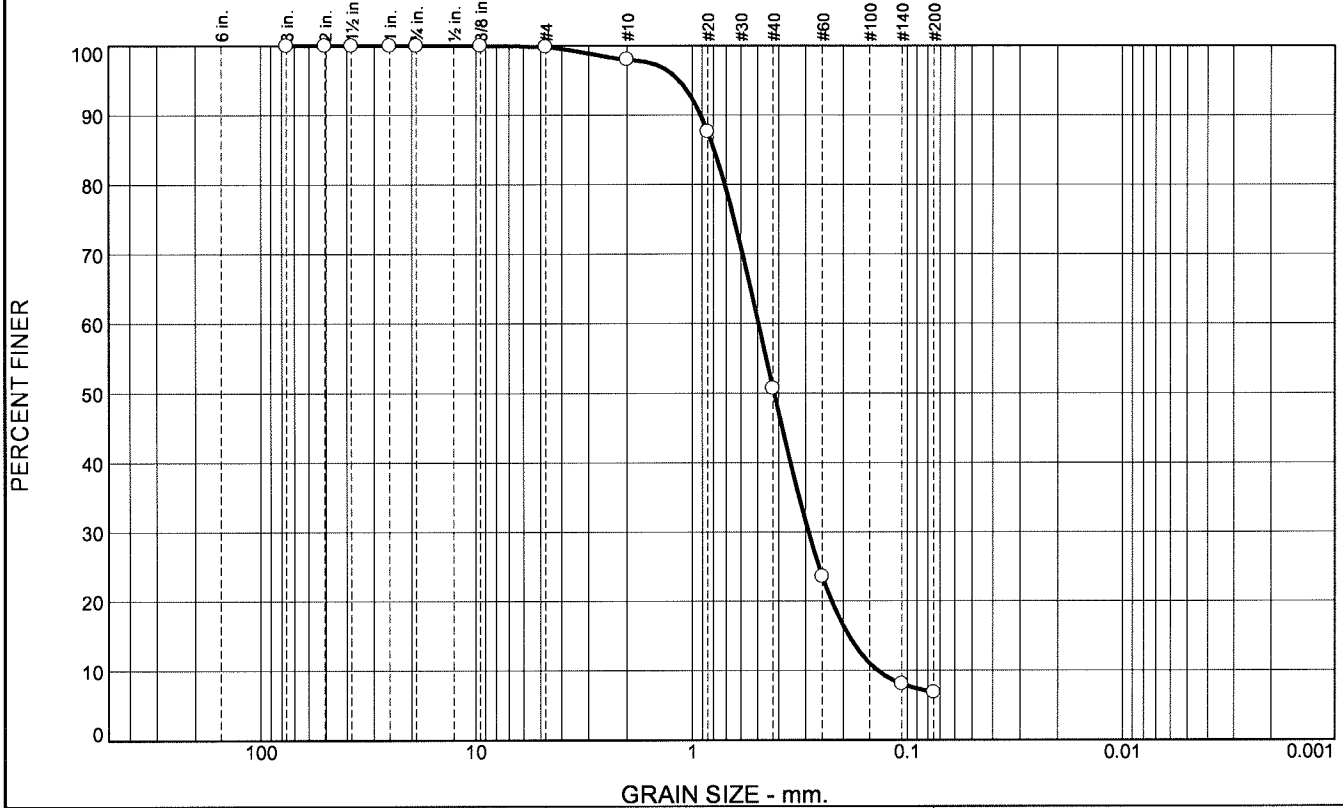
Depth: 0.0' - 2.0'

Date: 01/16/2018

**WHITESTONE  
ASSOCIATES, INC.  
Warren, New Jersey**

**Client:** IMPACCT Brooklyn  
**Project:** Proposed Four-Story Building  
811 Lexington Avenue, Brooklyn, Kings County, New York  
**Project No:** GJ1714824.000      **Figure**

# Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.1	1.9	47.3	43.8	6.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3	100.0		
2	100.0		
1.5	100.0		
1	100.0		
.75	100.0		
.375	100.0		
#4	99.9		
#10	98.0		
#20	87.6		
#40	50.7		
#60	23.6		
#140	8.1		
#200	6.9		

\* (no specification provided)

**Material Description**

Poorly Graded Sand with Silt

**Atterberg Limits**  
 PL= NP      LL= NP      PI= NP

**Coefficients**  
 D<sub>90</sub>= 0.9151      D<sub>85</sub>= 0.7941      D<sub>60</sub>= 0.4962  
 D<sub>50</sub>= 0.4201      D<sub>30</sub>= 0.2905      D<sub>15</sub>= 0.1878  
 D<sub>10</sub>= 0.1370      C<sub>u</sub>= 3.62      C<sub>c</sub>= 1.24

**Classification**  
 USCS= SP-SM      AASHTO= A-3

**Remarks**  
 W<sub>n</sub> = 3.5 %

Source of Sample: B-3  
Sample Number: S-4

Depth: 15.0' - 17.0'

Date: 01/16/2018

**WHITESTONE  
ASSOCIATES, INC.  
Warren, New Jersey**

**Client:** IMPACCT Brooklyn  
**Project:** Proposed Four-Story Building  
 811 Lexington Avenue, Brooklyn, Kings County, New York  
**Project No:** GJ1714824.000      **Figure**



**APPENDIX C**  
**Supplemental Information**  
**(USCS, Terms and Symbols)**



# UNIFIED SOIL CLASSIFICATION SYSTEM

## SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			LETTER SYMBOL	TYPICAL DESCRIPTIONS	
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	
	MORE THAN 50% OF COARSE FRACTION <u>RETAINED</u> ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)	GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	
		SAND AND SANDY SOILS	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES	
	MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	MORE THAN 50% OF COARSE FRACTION <u>PASSING</u> NO. 4 SIEVE	CLEAN SAND (LITTLE OR NO FINES)	GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
			SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
	FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMITS <u>LESS</u> THAN 50	ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
LIQUID LIMITS <u>GREATER</u> THAN 50			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
SILTS AND CLAYS		LIQUID LIMITS <u>GREATER</u> THAN 50	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY	
		LIQUID LIMITS <u>GREATER</u> THAN 50	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS	
		LIQUID LIMITS <u>GREATER</u> THAN 50	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS	
		LIQUID LIMITS <u>GREATER</u> THAN 50	OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS	
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS	

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS FOR SAMPLES WITH 5% TO 12% FINES

**GRADATION\***

% FINER BY WEIGHT

TRACE..... 1% TO 10%  
LITTLE..... 10% TO 20%  
SOME..... 20% TO 35%  
AND..... 35% TO 50%

**COMPACTNESS\***  
Sand and/or Gravel

RELATIVE DENSITY

LOOSE..... 0% TO 40%  
MEDIUM DENSE.... 40% TO 70%  
DENSE..... 70% TO 90%  
VERY DENSE..... 90% TO 100%

**CONSISTENCY\***  
Clay and/or Silt

RANGE OF SHEARING STRENGTH IN POUNDS PER SQUARE FOOT

VERY SOFT..... LESS THAN 250  
SOFT..... 250 TO 500  
MEDIUM..... 500 TO 1000  
STIFF..... 1000 TO 2000  
VERY STIFF..... 2000 TO 4000  
HARD..... GREATER THAN 4000

\* VALUES ARE FROM LABORATORY OR FIELD TEST DATA, WHERE APPLICABLE. WHEN NO TESTING WAS PERFORMED, VALUES ARE ESTIMATED.

M:\Geotechnical Forms and References\Geotech Inv. Forms\New Logo Templates\USCSTRMSSYM NJ.docx

*Other Office Locations:*

CHALFONT, PA  
215.712.2700

SOUTHBOROUGH, MA  
508.485.0755

ROCKY HILL, CT  
860.726.7889

STERLING, VA  
703.464.5858

EVERGREEN, CO  
303.670.6905



## GEOTECHNICAL TERMS AND SYMBOLS

### SAMPLE IDENTIFICATION

The Unified Soil Classification System is used to identify the soil unless otherwise noted.

### SOIL PROPERTY SYMBOLS

- N: Standard Penetration Value: Blows per ft. of a 140 lb. hammer falling 30" on a 2" O.D. split-spoon.  
 Qu: Unconfined compressive strength, TSF.  
 Qp: Penetrometer value, unconfined compressive strength, TSF.  
 Mc: Moisture content, %.  
 LL: Liquid limit, %.  
 PI: Plasticity index, %.  
 δd: Natural dry density, PCF.  
 ▽: Apparent groundwater level at time noted after completion of boring.

### DRILLING AND SAMPLING SYMBOLS

- NE: Not Encountered (Groundwater was not encountered).  
 SS: Split-Spoon - 1 3/8" I.D., 2" O.D., except where noted.  
 ST: Shelby Tube - 3" O.D., except where noted.  
 AU: Auger Sample.  
 OB: Diamond Bit.  
 CB: Carbide Bit  
 WS: Washed Sample.

### RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

<u>Term (Non-Cohesive Soils)</u>	<u>Standard Penetration Resistance</u>
Very Loose	0-4
Loose	4-10
Medium Dense	10-30
Dense	30-50
Very Dense	Over 50

<u>Term (Cohesive Soils)</u>	<u>Qu (TSF)</u>
Very Soft	0 - 0.25
Soft	0.25 - 0.50
Firm (Medium)	0.50 - 1.00
Stiff	1.00 - 2.00
Very Stiff	2.00 - 4.00
Hard	4.00+

### PARTICLE SIZE

Boulders	8 in.+	Coarse Sand	5mm-0.6mm	Silt	0.074mm-0.005mm
Cobbles	8 in.-3 in.	Medium Sand	0.6mm-0.2mm	Clay	-0.005mm
Gravel	3 in.-5mm	Fine Sand	0.2mm-0.074mm		

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215.712.2700

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860.726.7889

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EVERGREEN, CO  
303.670.6905

## **APPENDIX D**

### ***Laboratory Reports***



# Technical Report

prepared for:

**Gallagher Bassett - Poughkeepsie, NY**

22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
**Attention: Jennifer Rios**

Report Date: 01/29/2020

**Client Project ID: IB19062**

York Project (SDG) No.: 20A0070

Revision No. 2.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 01/29/2020  
Client Project ID: IB19062  
York Project (SDG) No.: 20A0070

**Gallagher Bassett - Poughkeepsie, NY**  
22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
Attention: Jennifer Rios

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 03, 2020 and listed below. The project was identified as your project: **IB19062**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20A0070-01	MW-01 20200103	Water	01/03/2020	01/03/2020
20A0070-02	MW-03 20200103	Water	01/03/2020	01/03/2020
20A0070-03	MW-03 20200103 DUP	Water	01/03/2020	01/03/2020

## **General Notes for York Project (SDG) No.: 20A0070**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

**Approved By:**



Benjamin Gulizia  
Laboratory Director

**Date:** 01/29/2020





### Sample Information

**Client Sample ID:** MW-01 20200103

**York Sample ID:** 20A0070-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20A0070	IB19062	Water	January 3, 2020 11:25 am	01/03/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ





### Sample Information

**Client Sample ID:** MW-01 20200103

**York Sample ID:** 20A0070-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 11:25 am

01/03/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
67-66-3	<b>Chloroform</b>	<b>0.38</b>	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.40</b>	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ



### Sample Information

**Client Sample ID:** MW-01 20200103

**York Sample ID:** 20A0070-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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20A0070

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Water

January 3, 2020 11:25 am

01/03/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
127-18-4	<b>Tetrachloroethylene</b>	<b>16</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
79-01-6	<b>Trichloroethylene</b>	<b>17</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:29	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/07/2020 06:35	01/08/2020 05:29	LLJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0 Surrogate: SURR:  
1,2-Dichloroethane-d4

99.2 %

69-130



### Sample Information

**Client Sample ID:** MW-01 20200103

**York Sample ID:** 20A0070-01

York Project (SDG) No.

Client Project ID

Matrix

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20A0070

IB19062

Water

January 3, 2020 11:25 am

01/03/2020

**Volatile Organics, 8260 - Comprehensive**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURRE: Toluene-d8	93.5 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	93.7 %			79-122						

**Volatile Organics, Tentatively Identified Cmpds.**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L		1	EPA 8260C Certifications:	01/07/2020 06:35	01/08/2020 05:29	LLJ

**Semi-Volatile Organics, 8270 - Comprehensive**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW



### Sample Information

**Client Sample ID:** MW-01 20200103

**York Sample ID:** 20A0070-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 11:25 am

01/03/2020

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
92-87-5	Benzidine	ND	CCV-L	ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
65-85-0	Benzoic acid	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW



### Sample Information

**Client Sample ID:** MW-01 20200103

**York Sample ID:** 20A0070-01

York Project (SDG) No.

Client Project ID

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20A0070

IB19062

Water

January 3, 2020 11:25 am

01/03/2020

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
	<b>Surrogate Recoveries</b>	<b>Result</b>						<b>Acceptance Range</b>			
367-12-4	Surrogate: SURR: 2-Fluorophenol	36.3 %						15-110			
4165-62-2	Surrogate: SURR: Phenol-d5	24.4 %						15-110			
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.3 %						30-130			
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.9 %						30-130			
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	92.5 %						15-110			
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.7 %						30-130			

**Semi-Volatile Organics, 8270 - Comprehensive (SIM)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.0513		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW



### Sample Information

**Client Sample ID:** MW-01 20200103

**York Sample ID:** 20A0070-01

York Project (SDG) No.

Client Project ID

Matrix

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20A0070

IB19062

Water

January 3, 2020 11:25 am

01/03/2020

**Semi-Volatile Organics, 8270 - Comprehensive (SIM)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:17	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>12.8</b>	B	ug/L	2.56	5	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/10/2020 11:07	OW
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
206-44-0	<b>Fluoranthene</b>	<b>0.0615</b>		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
86-73-7	<b>Fluorene</b>	<b>0.0615</b>		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:17	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:17	OW
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:17	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
91-20-3	<b>Naphthalene</b>	<b>0.113</b>		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:17	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:17	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:17	OW
85-01-8	<b>Phenanthrene</b>	<b>0.174</b>		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW
129-00-0	<b>Pyrene</b>	<b>0.0513</b>		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:17	OW



Sample Information

Client Sample ID: MW-01 20200103

York Sample ID: 20A0070-01

York Project (SDG) No.

Client Project ID

Matrix

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Water

January 3, 2020 11:25 am

01/03/2020

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

Log-in Notes:

Sample Notes: HT-04

Sample Prepared by Method: EPA 3535A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes data for 1,4-Dioxane and Surrogate Recoveries.

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various PFAS compounds and their results.



### Sample Information

**Client Sample ID:** MW-01 20200103

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**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 13:36	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	10.0	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 13:36	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 13:36	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	6.83		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 13:36	KT

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	92.9 %	25-150
Surrogate: M5PFHxA	97.6 %	25-150
Surrogate: M4PFHpA	83.9 %	25-150
Surrogate: M3PFHxS	92.9 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	97.8 %	25-150
Surrogate: M6PFDA	99.1 %	25-150
Surrogate: M7PFUdA	69.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	44.8 %	25-150
Surrogate: M2PFTeDA	37.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	86.3 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	84.0 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	96.8 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	74.8 %	10-150
Surrogate: d3-N-MeFOSAA	54.9 %	25-150
Surrogate: d5-N-EtFOSAA	51.1 %	25-150
Surrogate: M2-6:2 FTS	163 %	PFSu-H 25-150
Surrogate: M2-8:2 FTS	174 %	PFSu-H 25-150
Surrogate: M9PFNA	109 %	25-150

**Semi-Volatiles, Tentatively Identified Cmpds.**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D Certifications:	01/07/2020 07:50	01/07/2020 17:17	OW





### Sample Information

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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:09	CM

Surrogate Recoveries	Result	Acceptance Range
2051-24-3 <i>Surrogate: Decachlorobiphenyl</i>	89.9 %	30-150



### Sample Information

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**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	79.7 %			30-150					

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:45	SR
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:45	SR
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:45	SR
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:45	SR
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:45	SR
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:45	SR
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:45	SR
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	01/06/2020 07:58	01/06/2020 23:45	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	99.0 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	108 %	30-120

**Metals, Target Analyte, ICP**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.347		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-39-3	Barium	0.0549		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-70-2	Calcium	45.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-47-3	Chromium	3.39		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-48-4	Cobalt	0.0107		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM



### Sample Information

**Client Sample ID:** MW-01 20200103

**York Sample ID:** 20A0070-01

<u>York Project (SDG) No.</u> 20A0070	<u>Client Project ID</u> IB19062	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 3, 2020 11:25 am	<u>Date Received</u> 01/03/2020
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**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.642		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7439-95-4	Magnesium	19.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7439-96-5	Manganese	0.289		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-02-0	Nickel	0.197		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-09-7	Potassium	4.50	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-22-4	Silver	0.0485		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-23-5	Sodium	55.3		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 14:54	JAM

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7440-39-3	Barium	0.0523		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7440-70-2	Calcium	44.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7440-47-3	Chromium	3.59		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7440-48-4	Cobalt	0.0114		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7439-95-4	Magnesium	18.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7439-96-5	Manganese	0.284		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM



**Sample Information**

**Client Sample ID:** MW-01 20200103

**York Sample ID:** 20A0070-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 11:25 am

01/03/2020

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	0.213		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7440-09-7	Potassium	4.40		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7440-22-4	Silver	0.0426		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7440-23-5	Sodium	54.3		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:44	JAM

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:38	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:38	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:38	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:38	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:38	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:38	BML

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:21	TJM
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:21	TJM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:21	TJM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:21	TJM
7782-49-2	Selenium	15.7	B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:21	TJM



Sample Information

Client Sample ID: MW-01 20200103

York Sample ID: 20A0070-01

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 20A0070, IB19062, Water, January 3, 2020 11:25 am, 01/03/2020

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7440-28-0, Thallium, ND, ug/L, 1.11, 1, EPA 6020B, 01/09/2020 14:16, 01/10/2020 14:21, TJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.00020, 1, EPA 7473, 01/06/2020 13:24, 01/06/2020 15:11, SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6, Mercury, ND, mg/L, 0.0002000, 1, EPA 7473, 01/06/2020 16:23, 01/06/2020 17:39, SY

Sample Information

Client Sample ID: MW-03 20200103

York Sample ID: 20A0070-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 20A0070, IB19062, Water, January 3, 2020 1:45 pm, 01/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various organics like 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.



### Sample Information

**Client Sample ID:** MW-03 20200103

**York Sample ID:** 20A0070-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 1:45 pm

01/03/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
67-64-1	<b>Acetone</b>	<b>1.6</b>	<b>J</b>	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ



### Sample Information

**Client Sample ID:** MW-03 20200103

**York Sample ID:** 20A0070-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 1:45 pm

01/03/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
67-66-3	<b>Chloroform</b>	<b>1.9</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>0.99</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ



### Sample Information

**Client Sample ID:** MW-03 20200103

**York Sample ID:** 20A0070-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 1:45 pm

01/03/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
127-18-4	<b>Tetrachloroethylene</b>	<b>II</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
79-01-6	<b>Trichloroethylene</b>	<b>II</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 05:56	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/07/2020 06:35	01/08/2020 05:56	LLJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: <i>SURR: 1,2-Dichloroethane-d4</i>	97.9 %			69-130
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	94.0 %			81-117
460-00-4	Surrogate: <i>SURR: p-Bromofluorobenzene</i>	95.9 %			79-122

**Volatile Organics, Tentatively Identified Cmpds.**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L		1	EPA 8260C Certifications:	01/07/2020 06:35	01/08/2020 05:56	LLJ

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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## Sample Information

**Client Sample ID:** MW-03 20200103

**York Sample ID:** 20A0070-02

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>		
20A0070	IB19062	Water	January 3, 2020 1:45 pm	01/03/2020		
92-52-4	1,1-Biphenyl	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
95-50-1	1,2-Dichlorobenzene	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: NELAC-NY10854,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
541-73-1	1,3-Dichlorobenzene	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: NELAC-NY10854,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
106-46-7	1,4-Dichlorobenzene	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: NELAC-NY10854,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
95-95-4	2,4,5-Trichlorophenol	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
88-06-2	2,4,6-Trichlorophenol	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
120-83-2	2,4-Dichlorophenol	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
105-67-9	2,4-Dimethylphenol	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
51-28-5	2,4-Dinitrophenol	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
121-14-2	<b>2,4-Dinitrotoluene</b>	<b>12.5</b>	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
606-20-2	2,6-Dinitrotoluene	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
91-58-7	2-Chloronaphthalene	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
95-57-8	2-Chlorophenol	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
91-57-6	2-Methylnaphthalene	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
95-48-7	2-Methylphenol	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
88-74-4	2-Nitroaniline	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
88-75-5	2-Nitrophenol	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
65794-96-9	3- & 4-Methylphenols	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
91-94-1	3,3-Dichlorobenzidine	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
99-09-2	3-Nitroaniline	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND	ug/L 2.50 5.00	1 EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50 01/07/2020 18:54	OW



### Sample Information

**Client Sample ID:** MW-03 20200103

**York Sample ID:** 20A0070-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 1:45 pm

01/03/2020

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
92-87-5	Benzidine	ND	CCV-L	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW



### Sample Information

**Client Sample ID:** MW-03 20200103

**York Sample ID:** 20A0070-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 1:45 pm

01/03/2020

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:54	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	39.6 %			15-110						
4165-62-2	Surrogate: SURR: Phenol-d5	27.1 %			15-110						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	68.4 %			30-130						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.6 %			30-130						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	91.9 %			15-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.2 %			30-130						

**Semi-Volatile Organics, 8270 - Comprehensive (SIM)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:48	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.690</b>	<b>B</b>	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:48	OW
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW



### Sample Information

**Client Sample ID:** MW-03 20200103

**York Sample ID:** 20A0070-02

York Project (SDG) No.

Client Project ID

Matrix

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20A0070

IB19062

Water

January 3, 2020 1:45 pm

01/03/2020

**Semi-Volatile Organics, 8270 - Comprehensive (SIM)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
206-44-0	<b>Fluoranthene</b>	<b>0.0500</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:48	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:48	OW
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:48	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
91-20-3	<b>Naphthalene</b>	<b>0.0500</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:48	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:48	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 17:48	OW
85-01-8	<b>Phenanthrene</b>	<b>0.0600</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 17:48	OW

**Semi-Volatiles, 1,4-Dioxane by 8270-SIM**

**Log-in Notes:**

**Sample Notes:** HT-04

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	01/27/2020 08:09	01/29/2020 12:14	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.0 %					36.6-118			

**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	5.56		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	16.2		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT



### Sample Information

**Client Sample ID:** MW-03 20200103

**York Sample ID:** 20A0070-02

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**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* Perfluoroheptanoic acid (PFHpA)	14.8		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	7.22		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	50.9		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	49.1		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
375-95-1	* Perfluorononanoic acid (PFNA)	4.58		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	16.0		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	10.0	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	10.4		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 14:57	KT

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	68.6 %	25-150
Surrogate: M5PFHxA	72.3 %	25-150
Surrogate: M4PFHpA	63.5 %	25-150
Surrogate: M3PFHxS	71.6 %	25-150



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**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	81.9 %			25-150					
	Surrogate: M6PFDA	80.6 %			25-150					
	Surrogate: M7PFUdA	76.4 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	77.7 %			25-150					
	Surrogate: M2PFTeDA	44.7 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	67.6 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	71.6 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	70.1 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	50.0 %			10-150					
	Surrogate: d3-N-MeFOSAA	61.3 %			25-150					
	Surrogate: d5-N-EtFOSAA	60.8 %			25-150					
	Surrogate: M2-6:2 FTS	158 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	115 %			25-150					
	Surrogate: M9PFNA	83.1 %			25-150					

**Semi-Volatiles, Tentatively Identified Cmpds.**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D Certifications:	01/07/2020 07:50	01/07/2020 18:54	OW

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM



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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
57-74-9	Chlordane, total	ND		ug/L	0.0200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:25	CM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	73.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	71.2 %	30-150							

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:59	SR



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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:59	SR
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:59	SR
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:59	SR
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:59	SR
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:59	SR
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/06/2020 23:59	SR
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	01/06/2020 07:58	01/06/2020 23:59	SR
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	98.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	106 %	30-120							

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	1.57		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7440-39-3	Barium	0.0818		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7440-70-2	Calcium	93.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7440-47-3	Chromium	0.00850		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7440-48-4	Cobalt	0.00472		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7439-89-6	Iron	3.00		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7439-92-1	Lead	0.00681		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7439-95-4	Magnesium	27.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7439-96-5	Manganese	1.18		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM





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**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	6.26	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7440-23-5	Sodium	95.5		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7440-62-2	Vanadium	0.0145		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM
7440-66-6	Zinc	0.0313		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:06	JAM

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7440-39-3	Barium	0.0654		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7440-70-2	Calcium	91.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7439-95-4	Magnesium	25.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7439-96-5	Manganese	1.09		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7440-09-7	Potassium	6.00		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7440-23-5	Sodium	94.0		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM



### Sample Information

**Client Sample ID:** MW-03 20200103

**York Sample ID:** 20A0070-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 1:45 pm

01/03/2020

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:47	JAM

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:54	BML
7440-38-2	Arsenic	1.17		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:54	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:54	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:54	BML
7782-49-2	Selenium	4.50		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:54	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 17:54	BML

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:37	TJM
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:37	TJM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:37	TJM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:37	TJM
7782-49-2	Selenium	9.98	B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:37	TJM
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:37	TJM

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 13:24	01/06/2020 16:12	SY

**Mercury by 7473, Dissolved**

**Log-in Notes:**

**Sample Notes:**



Sample Information

Client Sample ID: MW-03 20200103

York Sample ID: 20A0070-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 20A0070, IB19062, Water, January 3, 2020 1:45 pm, 01/03/2020

Sample Prepared by Method: EPA 7473 water

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6 Mercury ND mg/L 0.0002000 1 EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Sample Information

Client Sample ID: MW-03 20200103 DUP

York Sample ID: 20A0070-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 20A0070, IB19062, Water, January 3, 2020 2:35 pm, 01/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various organic compounds like Tetrachloroethane, Trichloroethane, etc.



### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 2:35 pm

01/03/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
67-66-3	<b>Chloroform</b>	<b>2.5</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>1.4</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ



### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 2:35 pm

01/03/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
127-18-4	<b>Tetrachloroethylene</b>	<b>14</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ



### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 2:35 pm

01/03/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
79-01-6	<b>Trichloroethylene</b>	<b>15</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/07/2020 06:35	01/08/2020 06:23	LLJ
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	95.4 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.5 %			79-122						

**Volatile Organics, Tentatively Identified Cmpds.**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L		1	EPA 8260C Certifications:	01/07/2020 06:35	01/08/2020 06:23	LLJ

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW



### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0070

IB19062

Water

January 3, 2020 2:35 pm

01/03/2020

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW



### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

York Project (SDG) No.

Client Project ID

Matrix

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20A0070

IB19062

Water

January 3, 2020 2:35 pm

01/03/2020

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
92-87-5	Benzidine	ND	CCV-L	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 19:26	OW

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	37.3 %	15-110
4165-62-2	Surrogate: SURR: Phenol-d5	25.2 %	15-110
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.4 %	30-130





### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

York Project (SDG) No.

Client Project ID

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IB19062

Water

January 3, 2020 2:35 pm

01/03/2020

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.8 %			30-130						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	96.2 %			15-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	76.0 %			30-130						

**Semi-Volatile Organics, 8270 - Comprehensive (SIM)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
120-12-7	<b>Anthracene</b>	<b>0.0600</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 18:20	OW
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.0600</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.0500</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.650</b>	B	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 18:20	OW
218-01-9	<b>Chrysene</b>	<b>0.0500</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
206-44-0	<b>Fluoranthene</b>	<b>0.130</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
86-73-7	<b>Fluorene</b>	<b>0.0500</b>		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 18:20	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 18:20	OW
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 18:20	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW



### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

York Project (SDG) No.

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IB19062

Water

January 3, 2020 2:35 pm

01/03/2020

**Semi-Volatile Organics, 8270 - Comprehensive (SIM)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	0.130		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 18:20	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 18:20	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/07/2020 07:50	01/07/2020 18:20	OW
85-01-8	Phenanthrene	0.160		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW
129-00-0	Pyrene	0.120		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/07/2020 07:50	01/07/2020 18:20	OW

**Semi-Volatiles, 1,4-Dioxane by 8270-SIM**

**Log-in Notes:**

**Sample Notes:** HT-04

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	01/27/2020 08:09	01/29/2020 12:32	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	68.0 %					36.6-118			

**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	4.72		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	15.3		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	13.4		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	6.39		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	45.4		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	46.4		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
375-95-1	* Perfluorononanoic acid (PFNA)	5.11		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT



### Sample Information

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**York Sample ID:** 20A0070-03

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Water

January 3, 2020 2:35 pm

01/03/2020

**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
2706-90-3	* <b>Perfluoropentanoic acid (PFPeA)</b>	<b>14.9</b>		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	10.0	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT
375-22-4	* <b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>9.69</b>		ng/L	4.00	2	EPA 537m Certifications:	01/06/2020 10:27	01/08/2020 15:24	KT

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	83.4 %	25-150
Surrogate: M5PFHxA	90.7 %	25-150
Surrogate: M4PFHpA	78.4 %	25-150
Surrogate: M3PFHxS	86.3 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	95.5 %	25-150
Surrogate: M6PFDA	97.2 %	25-150
Surrogate: M7PFUdA	78.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	69.3 %	25-150
Surrogate: M2PFTeDA	34.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	82.7 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	82.8 %	25-150



### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

<u>York Project (SDG) No.</u> 20A0070	<u>Client Project ID</u> IB19062	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 3, 2020 2:35 pm	<u>Date Received</u> 01/03/2020
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**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	87.0 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.5 %			10-150					
	Surrogate: d3-N-MeFOSAA	65.4 %			25-150					
	Surrogate: d5-N-EtFOSAA	65.2 %			25-150					
	Surrogate: M2-6:2 FTS	176 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	129 %			25-150					
	Surrogate: M9PFNA	90.8 %			25-150					

**Semi-Volatiles, Tentatively Identified Cmpds.**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D Certifications:	01/07/2020 07:50	01/07/2020 19:26	OW

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
57-74-9	Chlordane, total	ND		ug/L	0.0200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM



### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 18:42	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
2051-24-3	Surrogate: Decachlorobiphenyl	156 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	131 %					30-150			

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 00:12	SR
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 00:12	SR
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 00:12	SR
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 00:12	SR
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 00:12	SR
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 00:12	SR
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/06/2020 07:58	01/07/2020 00:12	SR



### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

York Project (SDG) No.

Client Project ID

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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	01/06/2020 07:58	01/07/2020 00:12	SR
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
877-09-8	Surrogate: Tetrachloro-m-xylene	176 %	S-D							
2051-24-3	Surrogate: Decachlorobiphenyl	210 %	S-D							

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>0.497</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-39-3	<b>Barium</b>	<b>0.0771</b>		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-70-2	<b>Calcium</b>	<b>96.1</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-47-3	<b>Chromium</b>	<b>0.00567</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7439-89-6	<b>Iron</b>	<b>1.17</b>		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7439-92-1	<b>Lead</b>	<b>0.00560</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7439-95-4	<b>Magnesium</b>	<b>27.6</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7439-96-5	<b>Manganese</b>	<b>1.23</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-09-7	<b>Potassium</b>	<b>6.19</b>	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-23-5	<b>Sodium</b>	<b>99.1</b>		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-62-2	<b>Vanadium</b>	<b>0.0125</b>		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:16	01/06/2020 15:15	JAM

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** MW-03 20200103 DUP

**York Sample ID:** 20A0070-03

<u>York Project (SDG) No.</u> 20A0070	<u>Client Project ID</u> IB19062	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 3, 2020 2:35 pm	<u>Date Received</u> 01/03/2020
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Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-39-3	<b>Barium</b>	<b>0.0655</b>		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-70-2	<b>Calcium</b>	<b>92.0</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7439-95-4	<b>Magnesium</b>	<b>25.3</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7439-96-5	<b>Manganese</b>	<b>1.14</b>		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-09-7	<b>Potassium</b>	<b>6.10</b>		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-23-5	<b>Sodium</b>	<b>96.7</b>		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:15	01/10/2020 14:56	JAM

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 18:00	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 18:00	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 18:00	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 18:00	BML
7782-49-2	<b>Selenium</b>	<b>4.09</b>		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 18:00	BML



**Sample Information**

**Client Sample ID:** MW-03 20200103 DUP

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York Project (SDG) No.

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**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 12:12	01/06/2020 18:00	BML

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:53	TJM
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:53	TJM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:53	TJM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:53	TJM
7782-49-2	<b>Selenium</b>	<b>3.41</b>	B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:53	TJM
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/09/2020 14:16	01/10/2020 14:53	TJM

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 13:24	01/06/2020 16:20	SY

**Mercury by 7473, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/06/2020 16:23	01/06/2020 19:01	SY





## Analytical Batch Summary

**Batch ID:** BA00096      **Preparation Method:** EPA SW846-3510C Low Level      **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/06/20
20A0070-01	MW-01 20200103	01/06/20
20A0070-02	MW-03 20200103	01/06/20
20A0070-02	MW-03 20200103	01/06/20
20A0070-03	MW-03 20200103 DUP	01/06/20
20A0070-03	MW-03 20200103 DUP	01/06/20
BA00096-BLK1	Blank	01/06/20
BA00096-BLK2	Blank	01/06/20
BA00096-BS1	LCS	01/06/20
BA00096-BS2	LCS	01/06/20
BA00096-MS1	Matrix Spike	01/06/20
BA00096-MS2	Matrix Spike	01/06/20
BA00096-MSD1	Matrix Spike Dup	01/06/20
BA00096-MSD2	Matrix Spike Dup	01/06/20

**Batch ID:** BA00122      **Preparation Method:** SPE Ext-PFAS-EPA 537.1M      **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/06/20
20A0070-02	MW-03 20200103	01/06/20
20A0070-03	MW-03 20200103 DUP	01/06/20
BA00122-BLK1	Blank	01/06/20
BA00122-BS1	LCS	01/06/20
BA00122-MS1	Matrix Spike	01/06/20
BA00122-MSD1	Matrix Spike Dup	01/06/20

**Batch ID:** BA00142      **Preparation Method:** EPA 5030B      **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/07/20
20A0070-02	MW-03 20200103	01/07/20
20A0070-03	MW-03 20200103 DUP	01/07/20
BA00142-BLK1	Blank	01/07/20
BA00142-BS1	LCS	01/07/20
BA00142-BSD1	LCS Dup	01/07/20
BA00142-MS1	Matrix Spike	01/07/20
BA00142-MSD1	Matrix Spike Dup	01/07/20

**Batch ID:** BA00152      **Preparation Method:** EPA 3015A      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/06/20
20A0070-02	MW-03 20200103	01/06/20
20A0070-03	MW-03 20200103 DUP	01/06/20



BA00152-BLK1	Blank	01/06/20
BA00152-BS1	LCS	01/06/20
BA00152-DUP1	Duplicate	01/06/20
BA00152-MS1	Matrix Spike	01/06/20

**Batch ID:** BA00153      **Preparation Method:** EPA 3015A      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/06/20
20A0070-02	MW-03 20200103	01/06/20
20A0070-03	MW-03 20200103 DUP	01/06/20
BA00153-BLK1	Blank	01/06/20
BA00153-BS1	LCS	01/06/20
BA00153-DUP1	Duplicate	01/06/20
BA00153-MS1	Matrix Spike	01/06/20
BA00153-PS1	Post Spike	01/06/20

**Batch ID:** BA00160      **Preparation Method:** EPA 7473 water      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/06/20
20A0070-02	MW-03 20200103	01/06/20
20A0070-03	MW-03 20200103 DUP	01/06/20
BA00160-BLK1	Blank	01/06/20
BA00160-DUP1	Duplicate	01/06/20
BA00160-MS1	Matrix Spike	01/06/20
BA00160-SRM1	Reference	01/06/20

**Batch ID:** BA00187      **Preparation Method:** EPA 7473 water      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/06/20
20A0070-02	MW-03 20200103	01/06/20
20A0070-03	MW-03 20200103 DUP	01/06/20
BA00187-BLK1	Blank	01/06/20
BA00187-DUP1	Duplicate	01/06/20
BA00187-MS1	Matrix Spike	01/06/20
BA00187-SRM1	Reference	01/06/20

**Batch ID:** BA00192      **Preparation Method:** EPA 3510C      **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/07/20
20A0070-01	MW-01 20200103	01/07/20
20A0070-01RE1	MW-01 20200103	01/07/20
20A0070-02	MW-03 20200103	01/07/20
20A0070-02	MW-03 20200103	01/07/20
20A0070-03	MW-03 20200103 DUP	01/07/20
20A0070-03	MW-03 20200103 DUP	01/07/20



BA00192-BLK1	Blank	01/07/20
BA00192-BLK1	Blank	01/07/20
BA00192-BLK2	Blank	01/07/20
BA00192-BS1	LCS	01/07/20
BA00192-BS2	LCS	01/07/20
BA00192-MS1	Matrix Spike	01/07/20
BA00192-MSD1	Matrix Spike Dup	01/07/20

**Batch ID:** BA00366      **Preparation Method:** EPA 3015A      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/09/20
20A0070-02	MW-03 20200103	01/09/20
20A0070-03	MW-03 20200103 DUP	01/09/20
BA00366-BLK1	Blank	01/09/20
BA00366-BS1	LCS	01/09/20
BA00366-DUP1	Duplicate	01/09/20
BA00366-MS1	Matrix Spike	01/09/20
BA00366-PS1	Post Spike	01/09/20

**Batch ID:** BA00367      **Preparation Method:** EPA 3015A      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/09/20
20A0070-02	MW-03 20200103	01/09/20
20A0070-03	MW-03 20200103 DUP	01/09/20
BA00367-BLK1	Blank	01/09/20
BA00367-BS1	LCS	01/09/20
BA00367-DUP1	Duplicate	01/09/20
BA00367-MS1	Matrix Spike	01/09/20

**Batch ID:** BA01179      **Preparation Method:** EPA 3535A      **Prepared By:** CTD

YORK Sample ID	Client Sample ID	Preparation Date
20A0070-01	MW-01 20200103	01/27/20
20A0070-02	MW-03 20200103	01/27/20
20A0070-03	MW-03 20200103 DUP	01/27/20
BA01179-BLK1	Blank	01/27/20
BA01179-BS1	LCS	01/27/20
BA01179-MS1	Matrix Spike	01/27/20
BA01179-MSD1	Matrix Spike Dup	01/27/20



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00142 - EPA 5030B**

**Blank (BA00142-BLK1)**

Prepared: 01/07/2020 Analyzed: 01/08/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
Tentatively Identified Compounds	0.0		"								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00142 - EPA 5030B**

**Blank (BA00142-BLK1)**

Prepared: 01/07/2020 Analyzed: 01/08/2020

Methylcyclohexane	ND	0.50	ug/L								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>	<i>69-130</i>				
<i>Surrogate: Surr: Toluene-d8</i>	<i>9.59</i>		<i>"</i>	<i>10.0</i>		<i>95.9</i>	<i>81-117</i>				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	<i>9.11</i>		<i>"</i>	<i>10.0</i>		<i>91.1</i>	<i>79-122</i>				

**LCS (BA00142-BS1)**

Prepared & Analyzed: 01/07/2020

1,1,1,2-Tetrachloroethane	11		ug/L	10.0		112	82-126				
1,1,1-Trichloroethane	12		"	10.0		116	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		122	54-165				
1,1,2-Trichloroethane	11		"	10.0		105	82-123				
1,1-Dichloroethane	10		"	10.0		104	82-129				
1,1-Dichloroethylene	11		"	10.0		106	68-138				
1,2,3-Trichlorobenzene	8.8		"	10.0		87.9	76-136				
1,2,3-Trichloropropane	11		"	10.0		108	77-128				
1,2,4-Trichlorobenzene	9.7		"	10.0		97.0	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	9.1		"	10.0		91.4	45-147				
1,2-Dibromoethane	11		"	10.0		107	83-124				
1,2-Dichlorobenzene	11		"	10.0		107	79-123				
1,2-Dichloroethane	11		"	10.0		108	73-132				
1,2-Dichloropropane	9.5		"	10.0		94.9	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		105	80-131				
1,3-Dichlorobenzene	10		"	10.0		104	86-122				
1,4-Dichlorobenzene	10		"	10.0		103	85-124				
1,4-Dioxane	220		"	210		105	10-349				
2-Butanone	9.5		"	10.0		94.6	49-152				
2-Hexanone	9.3		"	10.0		92.7	51-146				
4-Methyl-2-pentanone	10		"	10.0		99.7	57-145				
Acetone	9.0		"	10.0		90.1	14-150				
Acrolein	6.2		"	10.0		62.2	10-153				
Acrylonitrile	12		"	10.0		118	51-150				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
<b>Batch BA00142 - EPA 5030B</b>										
<b>LCS (BA00142-BS1)</b>										
Prepared & Analyzed: 01/07/2020										
Benzene	11		ug/L	10.0		110	85-126			
Bromochloromethane	9.9		"	10.0		99.4	77-128			
Bromodichloromethane	10		"	10.0		103	79-128			
Bromoform	11		"	10.0		105	78-133			
Bromomethane	3.9		"	10.0		38.8	43-168	Low Bias		
Carbon disulfide	10		"	10.0		100	68-146			
Carbon tetrachloride	12		"	10.0		119	77-141			
Chlorobenzene	10		"	10.0		105	88-120			
Chloroethane	7.3		"	10.0		73.3	65-136			
Chloroform	11		"	10.0		112	82-128			
Chloromethane	3.2		"	10.0		32.0	43-155	Low Bias		
cis-1,2-Dichloroethylene	10		"	10.0		103	83-129			
cis-1,3-Dichloropropylene	9.6		"	10.0		95.9	80-131			
Cyclohexane	4.7		"	10.0		46.6	63-149	Low Bias		
Dibromochloromethane	11		"	10.0		107	80-130			
Dibromomethane	11		"	10.0		108	72-134			
Dichlorodifluoromethane	7.4		"	10.0		74.3	44-144			
Ethyl Benzene	11		"	10.0		106	80-131			
Hexachlorobutadiene	10		"	10.0		104	67-146			
Isopropylbenzene	9.9		"	10.0		98.9	76-140			
Methyl acetate	11		"	10.0		107	51-139			
Methyl tert-butyl ether (MTBE)	11		"	10.0		114	76-135			
Methylcyclohexane	10		"	10.0		102	72-143			
Methylene chloride	10		"	10.0		101	55-137			
n-Butylbenzene	10		"	10.0		103	79-132			
n-Propylbenzene	9.8		"	10.0		98.0	78-133			
o-Xylene	10		"	10.0		104	78-130			
p- & m- Xylenes	21		"	20.0		105	77-133			
p-Isopropyltoluene	11		"	10.0		107	81-136			
sec-Butylbenzene	11		"	10.0		106	79-137			
Styrene	12		"	10.0		116	67-132			
tert-Butyl alcohol (TBA)	55		"	50.0		111	25-162			
tert-Butylbenzene	9.0		"	10.0		90.1	77-138			
Tetrachloroethylene	9.6		"	10.0		96.3	82-131			
Toluene	10		"	10.0		103	80-127			
trans-1,2-Dichloroethylene	11		"	10.0		112	80-132			
trans-1,3-Dichloropropylene	9.6		"	10.0		96.5	78-131			
Trichloroethylene	11		"	10.0		106	82-128			
Trichlorofluoromethane	12		"	10.0		124	67-139			
Vinyl Chloride	6.9		"	10.0		69.0	58-145			
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130			
Surrogate: SURR: Toluene-d8	9.63		"	10.0		96.3	81-117			
Surrogate: SURR: p-Bromofluorobenzene	9.49		"	10.0		94.9	79-122			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00142 - EPA 5030B</b>											
<b>LCS Dup (BA00142-BSD1)</b>											
Prepared & Analyzed: 01/07/2020											
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		112	82-126		0.624	30	
1,1,1-Trichloroethane	11		"	10.0		110	78-136		5.85	30	
1,1,2,2-Tetrachloroethane	9.6		"	10.0		96.0	76-129		4.98	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		117	54-165		4.60	30	
1,1,2-Trichloroethane	10		"	10.0		105	82-123		0.571	30	
1,1-Dichloroethane	10		"	10.0		99.6	82-129		4.32	30	
1,1-Dichloroethylene	10		"	10.0		101	68-138		4.53	30	
1,2,3-Trichlorobenzene	8.6		"	10.0		85.9	76-136		2.30	30	
1,2,3-Trichloropropane	10		"	10.0		103	77-128		5.31	30	
1,2,4-Trichlorobenzene	9.4		"	10.0		93.5	76-137		3.67	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		4.27	30	
1,2-Dibromo-3-chloropropane	8.1		"	10.0		81.2	45-147		11.8	30	
1,2-Dibromoethane	10		"	10.0		105	83-124		1.80	30	
1,2-Dichlorobenzene	10		"	10.0		103	79-123		3.52	30	
1,2-Dichloroethane	10		"	10.0		104	73-132		3.59	30	
1,2-Dichloropropane	9.3		"	10.0		92.9	78-126		2.13	30	
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131		2.90	30	
1,3-Dichlorobenzene	10		"	10.0		100	86-122		4.30	30	
1,4-Dichlorobenzene	9.9		"	10.0		98.6	85-124		4.46	30	
1,4-Dioxane	230		"	210		107	10-349		1.82	30	
2-Butanone	8.4		"	10.0		84.4	49-152		11.4	30	
2-Hexanone	9.1		"	10.0		91.1	51-146		1.74	30	
4-Methyl-2-pentanone	9.6		"	10.0		96.4	57-145		3.37	30	
Acetone	8.6		"	10.0		86.1	14-150		4.54	30	
Acrolein	6.4		"	10.0		64.2	10-153		3.16	30	
Acrylonitrile	12		"	10.0		118	51-150		0.0846	30	
Benzene	11		"	10.0		105	85-126		4.18	30	
Bromochloromethane	9.4		"	10.0		94.2	77-128		5.37	30	
Bromodichloromethane	10		"	10.0		99.5	79-128		3.65	30	
Bromoform	10		"	10.0		103	78-133		2.50	30	
Bromomethane	1.8		"	10.0		18.4	43-168	Low Bias	71.3	30	Non-dir.
Carbon disulfide	9.6		"	10.0		96.5	68-146		4.06	30	
Carbon tetrachloride	11		"	10.0		112	77-141		6.76	30	
Chlorobenzene	10		"	10.0		104	88-120		1.44	30	
Chloroethane	7.1		"	10.0		71.3	65-136		2.77	30	
Chloroform	11		"	10.0		110	82-128		1.44	30	
Chloromethane	3.0		"	10.0		29.6	43-155	Low Bias	7.79	30	
cis-1,2-Dichloroethylene	9.8		"	10.0		97.6	83-129		5.38	30	
cis-1,3-Dichloropropylene	9.4		"	10.0		94.4	80-131		1.58	30	
Cyclohexane	4.2		"	10.0		42.3	63-149	Low Bias	9.67	30	
Dibromochloromethane	10		"	10.0		104	80-130		2.28	30	
Dibromomethane	11		"	10.0		106	72-134		1.88	30	
Dichlorodifluoromethane	6.9		"	10.0		68.6	44-144		7.98	30	
Ethyl Benzene	10		"	10.0		103	80-131		2.58	30	
Hexachlorobutadiene	9.6		"	10.0		96.0	67-146		8.38	30	
Isopropylbenzene	9.3		"	10.0		92.6	76-140		6.58	30	
Methyl acetate	10		"	10.0		103	51-139		4.00	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		111	76-135		2.58	30	
Methylcyclohexane	9.7		"	10.0		97.1	72-143		4.63	30	
Methylene chloride	9.8		"	10.0		97.8	55-137		3.52	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00142 - EPA 5030B**

**LCS Dup (BA00142-BSD1)**

Prepared & Analyzed: 01/07/2020

n-Butylbenzene	9.4		ug/L	10.0		93.7	79-132		9.55	30	
n-Propylbenzene	9.1		"	10.0		90.8	78-133		7.63	30	
o-Xylene	10		"	10.0		103	78-130		1.83	30	
p- & m- Xylenes	20		"	20.0		101	77-133		3.70	30	
p-Isopropyltoluene	9.9		"	10.0		99.3	81-136		7.09	30	
sec-Butylbenzene	9.8		"	10.0		98.2	79-137		8.11	30	
Styrene	11		"	10.0		109	67-132		5.70	30	
tert-Butyl alcohol (TBA)	53		"	50.0		105	25-162		4.94	30	
tert-Butylbenzene	8.5		"	10.0		85.2	77-138		5.59	30	
Tetrachloroethylene	9.3		"	10.0		92.9	82-131		3.59	30	
Toluene	9.8		"	10.0		97.5	80-127		5.49	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		5.89	30	
trans-1,3-Dichloropropylene	9.3		"	10.0		92.6	78-131		4.12	30	
Trichloroethylene	10		"	10.0		101	82-128		4.73	30	
Trichlorofluoromethane	12		"	10.0		120	67-139		3.43	30	
Vinyl Chloride	6.7		"	10.0		66.9	58-145		3.09	30	

Surrogate: SURR: 1,2-Dichloroethane-d4

10.2

"

10.0

102

69-130

Surrogate: SURR: Toluene-d8

9.65

"

10.0

96.5

81-117

Surrogate: SURR: p-Bromofluorobenzene

9.25

"

10.0

92.5

79-122

**Matrix Spike (BA00142-MS1)**

\*Source sample: 20A0070-01 (MW-01 20200103)

Prepared: 01/07/2020 Analyzed: 01/08/2020

1,1,1,2-Tetrachloroethane	10		ug/L	10.0	0.0	103	45-161				
1,1,1-Trichloroethane	11		"	10.0	0.0	106	70-146				
1,1,2,2-Tetrachloroethane	8.8		"	10.0	0.0	88.0	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0	0.0	119	21-217				
1,1,2-Trichloroethane	8.9		"	10.0	0.0	88.9	59-146				
1,1-Dichloroethane	9.4		"	10.0	0.0	93.9	54-146				
1,1-Dichloroethylene	10		"	10.0	0.0	99.7	44-165				
1,2,3-Trichlorobenzene	7.3		"	10.0	0.0	73.2	40-161				
1,2,3-Trichloropropane	8.8		"	10.0	0.0	87.9	74-127				
1,2,4-Trichlorobenzene	8.1		"	10.0	0.0	80.8	41-161				
1,2,4-Trimethylbenzene	9.4		"	10.0	0.0	93.8	72-129				
1,2-Dibromo-3-chloropropane	7.4		"	10.0	0.0	73.7	31-151				
1,2-Dibromoethane	9.2		"	10.0	0.0	91.5	75-125				
1,2-Dichlorobenzene	9.4		"	10.0	0.0	94.3	63-122				
1,2-Dichloroethane	9.4		"	10.0	0.0	93.8	68-131				
1,2-Dichloropropane	8.6		"	10.0	0.0	85.5	77-121				
1,3,5-Trimethylbenzene	9.2		"	10.0	0.0	92.0	69-126				
1,3-Dichlorobenzene	9.2		"	10.0	0.0	91.6	74-119				
1,4-Dichlorobenzene	9.2		"	10.0	0.0	91.9	70-124				
1,4-Dioxane	200		"	210	0.0	96.4	10-310				
2-Butanone	7.1		"	10.0	0.0	70.7	10-193				
2-Hexanone	7.5		"	10.0	0.0	74.6	53-133				
4-Methyl-2-pentanone	8.3		"	10.0	0.0	82.6	38-150				
Acetone	7.9		"	10.0	0.36	75.2	13-149				
Acrolein	4.9		"	10.0	0.0	49.2	10-195				
Acrylonitrile	10		"	10.0	0.0	104	37-165				
Benzene	9.7		"	10.0	0.0	96.8	38-155				
Bromochloromethane	8.3		"	10.0	0.0	82.7	75-121				
Bromodichloromethane	9.2		"	10.0	0.0	92.2	70-129				





**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit

**Batch BA00142 - EPA 5030B**

<b>Matrix Spike (BA00142-MS1)</b>	<b>*Source sample: 20A0070-01 (MW-01 20200103)</b>					<b>Prepared: 01/07/2020 Analyzed: 01/08/2020</b>				
Bromoform	8.9		ug/L	10.0	0.0	89.1	66-136			
Bromomethane	1.0		"	10.0	0.0	10.5	30-158	Low Bias		
Carbon disulfide	9.5		"	10.0	0.0	95.3	10-138			
Carbon tetrachloride	11		"	10.0	0.0	110	71-146			
Chlorobenzene	9.4		"	10.0	0.0	94.1	81-117			
Chloroethane	6.4		"	10.0	0.0	64.3	51-145			
Chloroform	10		"	10.0	0.38	99.7	80-124			
Chloromethane	2.3		"	10.0	0.0	22.6	16-163			
cis-1,2-Dichloroethylene	9.8		"	10.0	0.40	93.9	76-125			
cis-1,3-Dichloropropylene	8.2		"	10.0	0.0	82.5	58-131			
Cyclohexane	4.5		"	10.0	0.0	45.0	70-130	Low Bias		
Dibromochloromethane	9.2		"	10.0	0.0	91.8	71-129			
Dibromomethane	9.5		"	10.0	0.0	95.1	76-120			
Dichlorodifluoromethane	6.8		"	10.0	0.0	67.5	30-147			
Ethyl Benzene	9.5		"	10.0	0.0	95.4	72-128			
Hexachlorobutadiene	8.4		"	10.0	0.0	83.5	34-166			
Isopropylbenzene	8.9		"	10.0	0.0	89.4	66-139			
Methyl acetate	6.8		"	10.0	0.0	68.3	10-200			
Methyl tert-butyl ether (MTBE)	9.7		"	10.0	0.0	96.6	75-128			
Methylcyclohexane	10		"	10.0	0.0	102	70-130			
Methylene chloride	8.6		"	10.0	0.0	86.4	57-128			
n-Butylbenzene	9.1		"	10.0	0.0	90.6	61-138			
n-Propylbenzene	8.7		"	10.0	0.0	86.9	66-134			
o-Xylene	9.6		"	10.0	0.0	95.6	69-126			
p- & m- Xylenes	19		"	20.0	0.0	95.3	67-130			
p-Isopropyltoluene	9.8		"	10.0	0.0	97.7	64-137			
sec-Butylbenzene	9.7		"	10.0	0.0	97.3	53-155			
Styrene	9.4		"	10.0	0.0	93.9	69-125			
tert-Butyl alcohol (TBA)	48		"	50.0	0.0	95.1	10-130			
tert-Butylbenzene	8.3		"	10.0	0.0	82.9	65-139			
Tetrachloroethylene	28		"	10.0	16	119	64-139			
Toluene	9.3		"	10.0	0.0	92.8	76-123			
trans-1,2-Dichloroethylene	9.9		"	10.0	0.0	98.9	79-131			
trans-1,3-Dichloropropylene	8.0		"	10.0	0.0	80.1	55-130			
Trichloroethylene	28		"	10.0	17	116	53-145			
Trichlorofluoromethane	10		"	10.0	0.0	102	61-142			
Vinyl Chloride	4.7		"	10.0	0.0	46.7	31-165			
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>69-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.75</i>		<i>"</i>	<i>10.0</i>		<i>97.5</i>	<i>81-117</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.46</i>		<i>"</i>	<i>10.0</i>		<i>94.6</i>	<i>79-122</i>			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00142 - EPA 5030B</b>											
<b>Matrix Spike Dup (BA00142-MSD1)</b>	*Source sample: 20A0070-01 (MW-01 20200103)						Prepared: 01/07/2020 Analyzed: 01/08/2020				
1,1,1,2-Tetrachloroethane	10		ug/L	10.0	0.0	104	45-161		1.54	30	
1,1,1-Trichloroethane	11		"	10.0	0.0	109	70-146		2.97	30	
1,1,2,2-Tetrachloroethane	9.2		"	10.0	0.0	91.9	74-121		4.34	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0	0.0	122	21-217		2.41	30	
1,1,2-Trichloroethane	9.3		"	10.0	0.0	92.6	59-146		4.08	30	
1,1-Dichloroethane	9.6		"	10.0	0.0	95.5	54-146		1.69	30	
1,1-Dichloroethylene	10		"	10.0	0.0	99.7	44-165		0.00	30	
1,2,3-Trichlorobenzene	7.8		"	10.0	0.0	78.1	40-161		6.48	30	
1,2,3-Trichloropropane	9.7		"	10.0	0.0	97.4	74-127		10.3	30	
1,2,4-Trichlorobenzene	8.4		"	10.0	0.0	84.5	41-161		4.48	30	
1,2,4-Trimethylbenzene	9.9		"	10.0	0.0	99.0	72-129		5.39	30	
1,2-Dibromo-3-chloropropane	7.7		"	10.0	0.0	76.9	31-151		4.25	30	
1,2-Dibromoethane	9.4		"	10.0	0.0	93.9	75-125		2.59	30	
1,2-Dichlorobenzene	9.6		"	10.0	0.0	96.1	63-122		1.89	30	
1,2-Dichloroethane	9.6		"	10.0	0.0	95.6	68-131		1.90	30	
1,2-Dichloropropane	9.0		"	10.0	0.0	89.6	77-121		4.68	30	
1,3,5-Trimethylbenzene	9.9		"	10.0	0.0	99.2	69-126		7.53	30	
1,3-Dichlorobenzene	10		"	10.0	0.0	99.5	74-119		8.27	30	
1,4-Dichlorobenzene	9.7		"	10.0	0.0	97.2	70-124		5.61	30	
1,4-Dioxane	230		"	210	0.0	111	10-310		14.0	30	
2-Butanone	6.4		"	10.0	0.0	63.9	10-193		10.1	30	
2-Hexanone	7.9		"	10.0	0.0	79.4	53-133		6.23	30	
4-Methyl-2-pentanone	8.7		"	10.0	0.0	87.4	38-150		5.65	30	
Acetone	7.9		"	10.0	0.36	75.2	13-149		0.00	30	
Acrolein	4.4		"	10.0	0.0	43.8	10-195		11.6	30	
Acrylonitrile	11		"	10.0	0.0	109	37-165		4.81	30	
Benzene	10		"	10.0	0.0	99.5	38-155		2.75	30	
Bromochloromethane	8.6		"	10.0	0.0	86.3	75-121		4.26	30	
Bromodichloromethane	9.4		"	10.0	0.0	94.1	70-129		2.04	30	
Bromoform	9.2		"	10.0	0.0	92.2	66-136		3.42	30	
Bromomethane	1.6		"	10.0	0.0	16.4	30-158	Low Bias	43.9	30	Non-dir.
Carbon disulfide	9.9		"	10.0	0.0	98.7	10-138		3.51	30	
Carbon tetrachloride	11		"	10.0	0.0	115	71-146		3.91	30	
Chlorobenzene	9.6		"	10.0	0.0	96.0	81-117		2.00	30	
Chloroethane	6.8		"	10.0	0.0	68.3	51-145		6.03	30	
Chloroform	11		"	10.0	0.38	102	80-124		2.67	30	
Chloromethane	2.6		"	10.0	0.0	25.8	16-163		13.2	30	
cis-1,2-Dichloroethylene	9.8		"	10.0	0.40	94.4	76-125		0.531	30	
cis-1,3-Dichloropropylene	8.3		"	10.0	0.0	82.7	58-131		0.242	30	
Cyclohexane	4.6		"	10.0	0.0	46.2	70-130	Low Bias	2.63	30	
Dibromochloromethane	9.7		"	10.0	0.0	96.9	71-129		5.41	30	
Dibromomethane	9.5		"	10.0	0.0	94.9	76-120		0.211	30	
Dichlorodifluoromethane	6.7		"	10.0	0.0	66.6	30-147		1.34	30	
Ethyl Benzene	9.9		"	10.0	0.0	98.7	72-128		3.40	30	
Hexachlorobutadiene	9.4		"	10.0	0.0	93.8	34-166		11.6	30	
Isopropylbenzene	9.5		"	10.0	0.0	95.4	66-139		6.49	30	
Methyl acetate	7.3		"	10.0	0.0	73.1	10-200		6.79	30	
Methyl tert-butyl ether (MTBE)	9.9		"	10.0	0.0	99.0	75-128		2.45	30	
Methylcyclohexane	11		"	10.0	0.0	105	70-130		2.60	30	
Methylene chloride	8.8		"	10.0	0.0	87.6	57-128		1.38	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	
		Limit								Units	Level

**Batch BA00142 - EPA 5030B**

<b>Matrix Spike Dup (BA00142-MSD1)</b>	<b>*Source sample: 20A0070-01 (MW-01 20200103)</b>						<b>Prepared: 01/07/2020 Analyzed: 01/08/2020</b>				
n-Butylbenzene	9.6		ug/L	10.0	0.0	96.2	61-138		6.00	30	
n-Propylbenzene	9.2		"	10.0	0.0	92.5	66-134		6.24	30	
o-Xylene	9.7		"	10.0	0.0	97.1	69-126		1.56	30	
p- & m- Xylenes	20		"	20.0	0.0	97.8	67-130		2.59	30	
p-Isopropyltoluene	10		"	10.0	0.0	103	64-137		5.57	30	
sec-Butylbenzene	10		"	10.0	0.0	103	53-155		5.89	30	
Styrene	9.4		"	10.0	0.0	93.9	69-125		0.00	30	
tert-Butyl alcohol (TBA)	48		"	50.0	0.0	95.0	10-130		0.147	30	
tert-Butylbenzene	8.9		"	10.0	0.0	88.8	65-139		6.87	30	
Tetrachloroethylene	28		"	10.0	16	124	64-139		3.78	30	
Toluene	9.5		"	10.0	0.0	95.3	76-123		2.66	30	
trans-1,2-Dichloroethylene	10		"	10.0	0.0	101	79-131		2.00	30	
trans-1,3-Dichloropropylene	8.4		"	10.0	0.0	83.9	55-130		4.63	30	
Trichloroethylene	29		"	10.0	17	124	53-145		5.91	30	
Trichlorofluoromethane	11		"	10.0	0.0	113	61-142		9.49	30	
Vinyl Chloride	5.4		"	10.0	0.0	54.0	31-165		14.5	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.77</i>		<i>"</i>	<i>10.0</i>		<i>97.7</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.82</i>		<i>"</i>	<i>10.0</i>		<i>98.2</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.73</i>		<i>"</i>	<i>10.0</i>		<i>97.3</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA00192 - EPA 3510C

Blank (BA00192-BLK1)

Prepared & Analyzed: 01/07/2020

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								RPD	

**Batch BA00192 - EPA 3510C**

**Blank (BA00192-BLK1)**

Prepared & Analyzed: 01/07/2020

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
<i>Surrogate: SURR: 2-Fluorophenol</i>	15.3		"	50.0		30.5		19.7-63.1			
<i>Surrogate: SURR: Phenol-d5</i>	8.25		"	50.0		16.5		10.1-41.7			
<i>Surrogate: SURR: Nitrobenzene-d5</i>	16.3		"	25.0		65.2		50.2-113			
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	17.2		"	25.0		68.9		39.9-105			
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	40.5		"	50.0		80.9		39.3-151			
<i>Surrogate: SURR: Terphenyl-d14</i>	19.5		"	25.0		78.0		30.7-106			

**Blank (BA00192-BLK2)**

Prepared & Analyzed: 01/07/2020

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	2.47	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00192 - EPA 3510C</b>											
<b>LCS (BA00192-BS1)</b>											
Prepared & Analyzed: 01/07/2020											
1,1-Biphenyl	16.9	5.00	ug/L	25.0		67.8	33-95				
1,2,4,5-Tetrachlorobenzene	19.6	5.00	"	25.2		77.8	26-120				
1,2,4-Trichlorobenzene	19.0	5.00	"	25.0		76.0	20-118				
1,2-Dichlorobenzene	16.2	5.00	"	25.0		64.9	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	16.2	5.00	"	25.0		64.8	16-141				
1,3-Dichlorobenzene	15.7	5.00	"	25.0		62.8	23-117				
1,4-Dichlorobenzene	16.2	5.00	"	25.0		64.7	30-105				
2,3,4,6-Tetrachlorophenol	18.6	5.00	"	25.0		74.3	30-130				
2,4,5-Trichlorophenol	16.2	5.00	"	25.0		64.7	32-114				
2,4,6-Trichlorophenol	19.0	5.00	"	25.0		76.1	35-118				
2,4-Dichlorophenol	18.6	5.00	"	25.0		74.4	25-116				
2,4-Dimethylphenol	15.6	5.00	"	25.0		62.6	15-116				
2,4-Dinitrophenol	15.6	5.00	"	25.0		62.5	10-170				
2,4-Dinitrotoluene	20.1	5.00	"	25.0		80.3	41-128				
2,6-Dinitrotoluene	18.8	5.00	"	25.0		75.3	45-116				
2-Chloronaphthalene	16.4	5.00	"	25.0		65.7	33-112				
2-Chlorophenol	14.7	5.00	"	25.0		58.9	15-120				
2-Methylnaphthalene	20.2	5.00	"	25.0		80.9	24-118				
2-Methylphenol	11.3	5.00	"	25.0		45.2	10-110				
2-Nitroaniline	17.5	5.00	"	25.0		70.2	34-129				
2-Nitrophenol	17.3	5.00	"	25.0		69.3	28-118				
3- & 4-Methylphenols	9.49	5.00	"	25.0		38.0	10-107				
3,3-Dichlorobenzidine	17.7	5.00	"	25.0		70.9	15-187				
3-Nitroaniline	13.7	5.00	"	25.0		54.6	24-134				
4,6-Dinitro-2-methylphenol	24.9	5.00	"	25.0		99.6	10-153				
4-Bromophenyl phenyl ether	20.1	5.00	"	25.0		80.5	34-120				
4-Chloro-3-methylphenol	18.8	5.00	"	25.0		75.4	20-120				
4-Chloroaniline	13.9	5.00	"	25.0		55.7	10-147				
4-Chlorophenyl phenyl ether	19.6	5.00	"	25.0		78.3	27-121				
4-Nitroaniline	16.2	5.00	"	25.0		64.8	13-134				
4-Nitrophenol	24.9	5.00	"	25.0		99.6	10-131				
Acetophenone	16.1	5.00	"	25.0		64.6	25-110				
Aniline	9.51	5.00	"	25.0		38.0	10-117				
Benzaldehyde	19.4	5.00	"	25.0		77.7	29-117				
Benzoic acid	2.67	5.00	"	25.0		10.7	30-130	Low Bias			
Benzyl alcohol	11.5	5.00	"	25.0		45.9	10-117				
Benzyl butyl phthalate	16.2	5.00	"	25.0		65.0	29-133				
Bis(2-chloroethoxy)methane	16.6	5.00	"	25.0		66.6	10-154				
Bis(2-chloroethyl)ether	16.3	5.00	"	25.0		65.2	17-125				
Bis(2-chloroisopropyl)ether	19.6	5.00	"	25.0		78.2	10-139				
Caprolactam	2.69	5.00	"	25.0		10.8	10-137				
Carbazole	17.9	5.00	"	25.0		71.5	42-126				
Dibenzofuran	18.3	5.00	"	25.0		73.1	36-113				
Diethyl phthalate	18.4	5.00	"	25.0		73.8	38-115				
Dimethyl phthalate	18.0	5.00	"	25.0		72.1	38-129				
Di-n-butyl phthalate	17.7	5.00	"	25.0		70.8	31-120				
Di-n-octyl phthalate	19.5	5.00	"	25.0		77.9	21-149				
Hexachlorocyclopentadiene	10.7	10.0	"	25.0		42.7	10-130				
Isophorone	18.6	5.00	"	25.0		74.2	25-127				
N-nitroso-di-n-propylamine	17.0	5.00	"	25.0		68.1	26-122				
N-Nitrosodiphenylamine	21.7	5.00	"	25.0		86.9	23-149				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA00192 - EPA 3510C

LCS (BA00192-BS1)

Prepared & Analyzed: 01/07/2020

Phenol	5.78	5.00	ug/L	25.0		23.1	10-110				
Surrogate: SURR: 2-Fluorophenol	16.0		"	50.0		32.0	19.7-63.1				
Surrogate: SURR: Phenol-d5	9.95		"	50.0		19.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.0		"	25.0		68.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.0		"	25.0		72.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	46.6		"	50.0		93.3	39.3-151				
Surrogate: SURR: Terphenyl-d14	20.2		"	25.0		80.9	30.7-106				

LCS (BA00192-BS2)

Prepared & Analyzed: 01/07/2020

Acenaphthene	0.570	0.0500	ug/L	1.00		57.0	25-116				
Acenaphthylene	0.580	0.0500	"	1.00		58.0	26-116				
Anthracene	0.590	0.0500	"	1.00		59.0	25-123				
Benzo(a)anthracene	0.680	0.0500	"	1.00		68.0	33-125				
Benzo(a)pyrene	0.680	0.0500	"	1.00		68.0	32-132				
Benzo(b)fluoranthene	0.730	0.0500	"	1.00		73.0	22-137				
Benzo(g,h,i)perylene	0.730	0.0500	"	1.00		73.0	10-138				
Benzo(k)fluoranthene	0.740	0.0500	"	1.00		74.0	20-137				
Bis(2-ethylhexyl)phthalate	3.78	0.500	"	1.00		378	10-189	High Bias			
Chrysene	0.690	0.0500	"	1.00		69.0	32-124				
Dibenzo(a,h)anthracene	0.740	0.0500	"	1.00		74.0	16-133				
Fluoranthene	0.670	0.0500	"	1.00		67.0	32-121				
Fluorene	0.610	0.0500	"	1.00		61.0	28-118				
Hexachlorobenzene	0.620	0.0200	"	1.00		62.0	23-124				
Hexachlorobutadiene	0.640	0.500	"	1.00		64.0	15-123				
Hexachloroethane	0.520	0.500	"	1.00		52.0	18-115				
Indeno(1,2,3-cd)pyrene	0.720	0.0500	"	1.00		72.0	15-135				
Naphthalene	0.670	0.0500	"	1.00		67.0	18-120				
Nitrobenzene	0.600	0.250	"	1.00		60.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	0.560	0.250	"	1.00		56.0	10-156				
Phenanthrene	0.610	0.0500	"	1.00		61.0	24-127				
Pyrene	0.730	0.0500	"	1.00		73.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00192 - EPA 3510C</b>											
<b>Matrix Spike (BA00192-MS1)</b>	*Source sample: 20A0070-01 (MW-01 20200103)						Prepared & Analyzed: 01/07/2020				
1,1-Biphenyl	19.9	5.00	ug/L	25.0	ND	79.6	26-79	High Bias			
1,2,4,5-Tetrachlorobenzene	23.0	5.00	"	25.2	ND	91.1	33-90	High Bias			
1,2,4-Trichlorobenzene	21.2	5.00	"	25.0	ND	84.9	31-88				
1,2-Dichlorobenzene	18.1	5.00	"	25.0	ND	72.5	24-93				
1,2-Diphenylhydrazine (as Azobenzene)	18.1	5.00	"	25.0	ND	72.5	21-107				
1,3-Dichlorobenzene	17.4	5.00	"	25.0	ND	69.5	28-86				
1,4-Dichlorobenzene	18.3	5.00	"	25.0	ND	73.2	25-85				
2,3,4,6-Tetrachlorophenol	23.2	5.00	"	25.0	ND	92.9	30-130				
2,4,5-Trichlorophenol	19.9	5.00	"	25.0	ND	79.6	43-96				
2,4,6-Trichlorophenol	22.2	5.00	"	25.0	ND	88.6	46-94				
2,4-Dichlorophenol	21.4	5.00	"	25.0	ND	85.6	26-101				
2,4-Dimethylphenol	16.7	5.00	"	25.0	ND	67.0	10-104				
2,4-Dinitrophenol	20.8	5.00	"	25.0	ND	83.3	10-146				
2,4-Dinitrotoluene	23.9	5.00	"	25.0	ND	95.6	30-108				
2,6-Dinitrotoluene	22.2	5.00	"	25.0	ND	88.8	38-98				
2-Chloronaphthalene	18.1	5.00	"	25.0	ND	72.6	30-89				
2-Chlorophenol	17.0	5.00	"	25.0	ND	67.9	24-98				
2-Methylnaphthalene	23.9	5.00	"	25.0	ND	95.5	10-112				
2-Methylphenol	14.4	5.00	"	25.0	ND	57.5	10-134				
2-Nitroaniline	19.9	5.00	"	25.0	ND	79.7	25-110				
2-Nitrophenol	19.8	5.00	"	25.0	ND	79.0	10-139				
3- & 4-Methylphenols	9.70	5.00	"	25.0	ND	38.8	10-91				
3,3-Dichlorobenzidine	12.2	5.00	"	25.0	ND	48.8	10-140				
3-Nitroaniline	14.7	5.00	"	25.0	ND	58.6	22-111				
4,6-Dinitro-2-methylphenol	28.5	5.00	"	25.0	ND	114	10-140				
4-Bromophenyl phenyl ether	23.4	5.00	"	25.0	ND	93.7	30-108				
4-Chloro-3-methylphenol	21.2	5.00	"	25.0	ND	85.0	11-109				
4-Chloroaniline	9.47	5.00	"	25.0	ND	37.9	10-116				
4-Chlorophenyl phenyl ether	22.5	5.00	"	25.0	ND	90.0	39-85	High Bias			
4-Nitroaniline	17.6	5.00	"	25.0	ND	70.6	11-132				
4-Nitrophenol	25.9	5.00	"	25.0	ND	104	10-82	High Bias			
Acetophenone	18.2	5.00	"	25.0	ND	72.9	14-102				
Aniline	14.4	5.00	"	25.0	ND	57.8	10-80				
Benzaldehyde	24.4	5.00	"	25.0	ND	97.4	13-87	High Bias			
Benzoic acid	10.1	5.00	"	25.0	ND	40.2	10-162				
Benzyl alcohol	17.7	5.00	"	25.0	ND	70.7	10-102				
Benzyl butyl phthalate	17.7	5.00	"	25.0	ND	71.0	10-133				
Bis(2-chloroethoxy)methane	18.4	5.00	"	25.0	ND	73.7	18-105				
Bis(2-chloroethyl)ether	18.3	5.00	"	25.0	ND	73.2	10-108				
Bis(2-chloroisopropyl)ether	21.2	5.00	"	25.0	ND	84.8	13-116				
Caprolactam	5.93	5.00	"	25.0	ND	23.7	10-75				
Carbazole	20.2	5.00	"	25.0	ND	80.7	36-108				
Dibenzofuran	21.6	5.00	"	25.0	ND	86.6	34-92				
Diethyl phthalate	20.8	5.00	"	25.0	ND	83.0	33-98				
Dimethyl phthalate	20.9	5.00	"	25.0	ND	83.5	18-116				
Di-n-butyl phthalate	19.6	5.00	"	25.0	ND	78.4	25-97				
Di-n-octyl phthalate	21.3	5.00	"	25.0	ND	85.4	10-137				
Hexachlorocyclopentadiene	15.0	10.0	"	25.0	ND	60.0	10-79				
Isophorone	20.3	5.00	"	25.0	ND	81.3	25-103				
N-nitroso-di-n-propylamine	18.2	5.00	"	25.0	ND	72.8	19-115				
N-Nitrosodiphenylamine	23.4	5.00	"	25.0	ND	93.6	31-112				





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BA00192 - EPA 3510C</b>												
<b>Matrix Spike (BA00192-MS1)</b>		*Source sample: 20A0070-01 (MW-01 20200103)					Prepared & Analyzed: 01/07/2020					
Phenol	8.86	5.00	ug/L	25.0	ND	35.4	10-61					
Surrogate: SURR: 2-Fluorophenol	23.4		"	50.0		46.9	19.7-63.1					
Surrogate: SURR: Phenol-d5	16.2		"	50.0		32.3	10.1-41.7					
Surrogate: SURR: Nitrobenzene-d5	19.0		"	25.0		76.1	50.2-113					
Surrogate: SURR: 2-Fluorobiphenyl	21.1		"	25.0		84.5	39.9-105					
Surrogate: SURR: 2,4,6-Tribromophenol	55.0		"	50.0		110	39.3-151					
Surrogate: SURR: Terphenyl-d14	22.0		"	25.0		87.8	30.7-106					
<b>Matrix Spike Dup (BA00192-MSD1)</b>		*Source sample: 20A0070-01 (MW-01 20200103)					Prepared & Analyzed: 01/07/2020					
1,1-Biphenyl	16.0	5.00	ug/L	25.0	ND	64.1	26-79		21.7	25		
1,2,4,5-Tetrachlorobenzene	18.2	5.00	"	25.2	ND	72.0	33-90		23.5	25		
1,2,4-Trichlorobenzene	18.1	5.00	"	25.0	ND	72.5	31-88		15.8	25		
1,2-Dichlorobenzene	14.6	5.00	"	25.0	ND	58.3	24-93		21.7	25		
1,2-Diphenylhydrazine (as Azobenzene)	14.0	5.00	"	25.0	ND	56.0	21-107		25.7	25	Non-dir.	
1,3-Dichlorobenzene	14.5	5.00	"	25.0	ND	58.0	28-86		18.1	25		
1,4-Dichlorobenzene	14.8	5.00	"	25.0	ND	59.1	25-85		21.3	25		
2,3,4,6-Tetrachlorophenol	19.6	5.00	"	25.0	ND	78.6	30-130		16.7	25		
2,4,5-Trichlorophenol	15.3	5.00	"	25.0	ND	61.2	43-96		26.2	25	Non-dir.	
2,4,6-Trichlorophenol	17.5	5.00	"	25.0	ND	70.1	46-94		23.3	25		
2,4-Dichlorophenol	18.3	5.00	"	25.0	ND	73.0	26-101		15.8	25		
2,4-Dimethylphenol	14.2	5.00	"	25.0	ND	56.6	10-104		16.7	25		
2,4-Dinitrophenol	20.7	5.00	"	25.0	ND	82.9	10-146		0.433	25		
2,4-Dinitrotoluene	19.9	5.00	"	25.0	ND	79.8	30-108		18.1	25		
2,6-Dinitrotoluene	18.1	5.00	"	25.0	ND	72.6	38-98		20.2	25		
2-Chloronaphthalene	15.2	5.00	"	25.0	ND	61.0	30-89		17.3	25		
2-Chlorophenol	14.5	5.00	"	25.0	ND	57.9	24-98		16.0	25		
2-Methylnaphthalene	20.9	5.00	"	25.0	ND	83.6	10-112		13.2	25		
2-Methylphenol	12.4	5.00	"	25.0	ND	49.6	10-134		14.9	25		
2-Nitroaniline	16.9	5.00	"	25.0	ND	67.7	25-110		16.3	25		
2-Nitrophenol	16.8	5.00	"	25.0	ND	67.3	10-139		16.0	25		
3- & 4-Methylphenols	8.31	5.00	"	25.0	ND	33.2	10-91		15.4	25		
3,3-Dichlorobenzidine	11.3	5.00	"	25.0	ND	45.1	10-140		7.92	25		
3-Nitroaniline	12.5	5.00	"	25.0	ND	50.0	22-111		15.8	25		
4,6-Dinitro-2-methylphenol	23.1	5.00	"	25.0	ND	92.5	10-140		20.8	25		
4-Bromophenyl phenyl ether	19.0	5.00	"	25.0	ND	76.2	30-108		20.7	25		
4-Chloro-3-methylphenol	17.8	5.00	"	25.0	ND	71.4	11-109		17.4	25		
4-Chloroaniline	8.01	5.00	"	25.0	ND	32.0	10-116		16.7	25		
4-Chlorophenyl phenyl ether	18.8	5.00	"	25.0	ND	75.4	39-85		17.7	25		
4-Nitroaniline	15.5	5.00	"	25.0	ND	61.8	11-132		13.2	25		
4-Nitrophenol	10.5	5.00	"	25.0	ND	42.2	10-82		84.4	25	Non-dir.	
Acetophenone	15.6	5.00	"	25.0	ND	62.3	14-102		15.7	25		
Aniline	10.9	5.00	"	25.0	ND	43.5	10-80		28.1	25	Non-dir.	
Benzaldehyde	23.6	5.00	"	25.0	ND	94.4	13-87	High Bias	3.13	25		
Benzoic acid	8.57	5.00	"	25.0	ND	34.3	10-162		16.0	25		
Benzyl alcohol	15.3	5.00	"	25.0	ND	61.0	10-102		14.7	25		
Benzyl butyl phthalate	15.6	5.00	"	25.0	ND	62.4	10-133		12.8	25		
Bis(2-chloroethoxy)methane	15.1	5.00	"	25.0	ND	60.6	18-105		19.5	25		
Bis(2-chloroethyl)ether	15.7	5.00	"	25.0	ND	62.8	10-108		15.3	25		
Bis(2-chloroisopropyl)ether	17.3	5.00	"	25.0	ND	69.0	13-116		20.5	25		
Caprolactam	4.61	5.00	"	25.0	ND	18.4	10-75		25.0	25		
Carbazole	17.6	5.00	"	25.0	ND	70.2	36-108		13.9	25		



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00192 - EPA 3510C**

**Matrix Spike Dup (BA00192-MSD1)**

\*Source sample: 20A0070-01 (MW-01 20200103)

Prepared & Analyzed: 01/07/2020

Dibenzofuran	17.1	5.00	ug/L	25.0	ND	68.5	34-92		23.3	25	
Diethyl phthalate	17.0	5.00	"	25.0	ND	68.2	33-98		19.6	25	
Dimethyl phthalate	17.3	5.00	"	25.0	ND	69.0	18-116		18.9	25	
Di-n-butyl phthalate	16.9	5.00	"	25.0	ND	67.6	25-97		14.8	25	
Di-n-octyl phthalate	17.9	5.00	"	25.0	ND	71.4	10-137		17.8	25	
Hexachlorocyclopentadiene	12.0	10.0	"	25.0	ND	47.8	10-79		22.6	25	
Isophorone	16.6	5.00	"	25.0	ND	66.5	25-103		20.1	25	
N-nitroso-di-n-propylamine	15.5	5.00	"	25.0	ND	61.8	19-115		16.3	25	
N-Nitrosodiphenylamine	18.8	5.00	"	25.0	ND	75.0	31-112		22.1	25	
Phenol	7.94	5.00	"	25.0	ND	31.8	10-61		11.0	25	
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>19.8</i>		<i>"</i>	<i>50.0</i>		<i>39.6</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>13.1</i>		<i>"</i>	<i>50.0</i>		<i>26.2</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>15.3</i>		<i>"</i>	<i>25.0</i>		<i>61.2</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>16.6</i>		<i>"</i>	<i>25.0</i>		<i>66.2</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>45.0</i>		<i>"</i>	<i>50.0</i>		<i>89.9</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>18.8</i>		<i>"</i>	<i>25.0</i>		<i>75.3</i>	<i>30.7-106</i>				



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA01179 - EPA 3535A</b>											
<b>Blank (BA01179-BLK1)</b>											
										Prepared: 01/27/2020 Analyzed: 01/29/2020	
1,4-Dioxane	ND	0.200	ug/L								
<i>Surrogate: 1,4-Dioxane-d8</i>	3.40		"	5.00		68.0	36.6-118				
<b>LCS (BA01179-BS1)</b>											
										Prepared: 01/27/2020 Analyzed: 01/29/2020	
1,4-Dioxane	5.00	0.200	ug/L	5.00		100	50-130				
<i>Surrogate: 1,4-Dioxane-d8</i>	3.20		"	5.00		64.0	36.6-118				
<b>Matrix Spike (BA01179-MS1)</b>											
*Source sample: 20A0070-01 (MW-01 20200103)										Prepared: 01/27/2020 Analyzed: 01/29/2020	
1,4-Dioxane	5.00	0.200	ug/L	5.00	ND	100	50-130				
<i>Surrogate: 1,4-Dioxane-d8</i>	3.60		"	5.00		72.0	50-130				
<b>Matrix Spike Dup (BA01179-MSD1)</b>											
*Source sample: 20A0070-01 (MW-01 20200103)										Prepared: 01/27/2020 Analyzed: 01/29/2020	
1,4-Dioxane	4.44	0.200	ug/L	5.00	ND	88.8	50-130		11.9	30	
<i>Surrogate: 1,4-Dioxane-d8</i>	3.60		"	5.00		72.0	50-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA00122 - SPE Ext-PFAS-EPA 537.1M

Blank (BA00122-BLK1)

Prepared: 01/06/2020 Analyzed: 01/07/2020

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	58.8		"	74.3		79.1	25-150				
Surrogate: M5PFHxA	65.8		"	80.0		82.3	25-150				
Surrogate: M4PFHpA	56.7		"	80.0		70.9	25-150				
Surrogate: M3PFHxS	57.8		"	75.7		76.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	66.2		"	80.0		82.8	25-150				
Surrogate: M6PFDA	69.8		"	80.0		87.3	25-150				
Surrogate: M7PFUdA	65.4		"	80.0		81.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	61.2		"	80.0		76.5	25-150				
Surrogate: M2PFTeDA	46.7		"	80.0		58.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	57.4		"	80.0		71.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	59.6		"	76.6		77.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	63.6		"	80.0		79.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	51.5		"	80.0		64.3	10-150				
Surrogate: d3-N-MeFOSAA	49.4		"	80.0		61.8	25-150				
Surrogate: d5-N-EtFOSAA	49.3		"	80.0		61.7	25-150				
Surrogate: M2-6:2 FTS	110		"	75.9		144	25-150				
Surrogate: M2-8:2 FTS	133		"	76.6		174	25-150				
Surrogate: M9PFNA	73.6		"	80.0		92.0	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	

Batch BA00122 - SPE Ext-PFAS-EPA 537.1M

LCS (BA00122-BS1)

Prepared: 01/06/2020 Analyzed: 01/07/2020

Perfluorobutanesulfonic acid (PFBS)	66.9	2.00	ng/L	70.8		94.5	50-130				
Perfluorohexanoic acid (PFHxA)	71.2	2.00	"	80.0		88.9	50-130				
Perfluoroheptanoic acid (PFHpA)	82.3	2.00	"	80.0		103	50-130				
Perfluorohexanesulfonic acid (PFHxS)	54.6	2.00	"	59.2		92.2	50-130				
Perfluorooctanoic acid (PFOA)	66.5	2.00	"	80.0		83.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	52.3	2.00	"	58.4		89.6	50-130				
Perfluorononanoic acid (PFNA)	69.1	2.00	"	76.8		89.9	50-130				
Perfluorodecanoic acid (PFDA)	72.0	2.00	"	80.0		89.9	50-130				
Perfluoroundecanoic acid (PFUnA)	66.4	2.00	"	80.0		83.0	50-130				
Perfluorododecanoic acid (PFDoA)	78.9	2.00	"	80.0		98.7	50-130				
Perfluorotridecanoic acid (PFTriDA)	58.4	2.00	"	80.0		73.0	50-130				
Perfluorotetradecanoic acid (PFTA)	71.4	2.00	"	80.0		89.2	50-130				
N-MeFOSAA	70.5	2.00	"	80.0		88.1	50-130				
N-EtFOSAA	72.2	2.00	"	80.0		90.2	50-130				
Perfluoropentanoic acid (PFPeA)	71.1	2.00	"	80.0		88.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	72.9	2.00	"	80.0		91.1	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	76.4	2.00	"	79.6		96.0	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	56.4	2.00	"	77.2		73.1	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	68.7	5.00	"	76.0		90.4	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	70.3	2.00	"	76.8		91.5	50-130				
Perfluoro-n-butanoic acid (PFBA)	70.2	2.00	"	80.0		87.8	50-130				
Surrogate: M3PFBS	68.6		"	74.3		92.4	25-150				
Surrogate: M5PFHxA	76.8		"	80.0		96.0	25-150				
Surrogate: M4PFHpA	67.0		"	80.0		83.8	25-150				
Surrogate: M3PFHxS	67.2		"	75.7		88.8	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	79.3		"	80.0		99.2	25-150				
Surrogate: M6PFDA	83.7		"	80.0		105	25-150				
Surrogate: M7PFUdA	67.4		"	80.0		84.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	67.7		"	80.0		84.7	25-150				
Surrogate: M2PFTeDA	52.2		"	80.0		65.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	70.4		"	80.0		88.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	66.1		"	76.6		86.3	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	76.6		"	80.0		95.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	57.1		"	80.0		71.3	10-150				
Surrogate: d3-N-MeFOSAA	60.3		"	80.0		75.4	25-150				
Surrogate: d5-N-EtFOSAA	53.2		"	80.0		66.5	25-150				
Surrogate: M2-6:2 FTS	104		"	75.9		137	25-150				
Surrogate: M2-8:2 FTS	114		"	76.6		149	25-150				
Surrogate: M9PFNA	78.3		"	80.0		97.9	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA00122 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BA00122-MS1)	*Source sample: 20A0070-01 (MW-01 20200103)						Prepared: 01/06/2020 Analyzed: 01/08/2020				
Perfluorobutanesulfonic acid (PFBS)	69.8	4.00	ng/L	70.8	ND	98.6	25-150				
Perfluorohexanoic acid (PFHxA)	82.7	4.00	"	80.0	9.95	90.9	25-150				
Perfluoroheptanoic acid (PFHpA)	107	4.00	"	80.0	22.7	105	25-150				
Perfluorohexanesulfonic acid (PFHxS)	70.0	4.00	"	59.2	4.17	111	25-150				
Perfluorooctanoic acid (PFOA)	172	4.00	"	80.0	109	78.1	25-150				
Perfluorooctanesulfonic acid (PFOS)	96.4	4.00	"	58.4	26.6	120	25-150				
Perfluorononanoic acid (PFNA)	68.6	4.00	"	76.8	ND	89.3	25-150				
Perfluorodecanoic acid (PFDA)	73.6	4.00	"	80.0	ND	92.0	25-150				
Perfluoroundecanoic acid (PFUnA)	76.6	4.00	"	80.0	ND	95.7	25-150				
Perfluorododecanoic acid (PFDoA)	68.4	4.00	"	80.0	ND	85.5	25-150				
Perfluorotridecanoic acid (PFTriDA)	49.1	4.00	"	80.0	ND	61.3	25-150				
Perfluorotetradecanoic acid (PFTA)	69.8	4.00	"	80.0	ND	87.3	25-150				
N-MeFOSAA	66.3	4.00	"	80.0	5.00	76.7	25-150				
N-EtFOSAA	66.5	4.00	"	80.0	7.69	73.5	25-150				
Perfluoropentanoic acid (PFPeA)	81.4	4.00	"	80.0	8.61	91.0	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	71.3	4.00	"	80.0	ND	89.1	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	81.7	4.00	"	79.6	ND	103	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	34.8	4.00	"	77.2	ND	45.1	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	69.9	10.0	"	76.0	ND	91.9	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	73.7	4.00	"	76.8	ND	96.0	25-150				
Perfluoro-n-butanoic acid (PFBA)	77.4	4.00	"	80.0	6.83	88.3	25-150				
Surrogate: M3PFBS	67.8		"	74.3		91.2	25-150				
Surrogate: M5PFHxA	75.7		"	80.0		94.6	25-150				
Surrogate: M4PFHpA	66.8		"	80.0		83.5	25-150				
Surrogate: M3PFHxS	68.9		"	75.7		91.1	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.2		"	80.0		100	25-150				
Surrogate: M6PFDA	76.7		"	80.0		95.9	25-150				
Surrogate: M7PFUdA	46.2		"	80.0		57.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	38.8		"	80.0		48.5	25-150				
Surrogate: M2PFTeDA	29.5		"	80.0		36.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	68.1		"	80.0		85.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	62.1		"	76.6		81.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	74.7		"	80.0		93.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	54.1		"	80.0		67.6	10-150				
Surrogate: d3-N-MeFOSAA	41.8		"	80.0		52.3	25-150				
Surrogate: d5-N-EtFOSAA	33.3		"	80.0		41.7	25-150				
Surrogate: M2-6:2 FTS	112		"	75.9		147	25-150				
Surrogate: M2-8:2 FTS	88.4		"	76.6		115	25-150				
Surrogate: M9PFNA	78.7		"	80.0		98.4	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00122 - SPE Ext-PFAS-EPA 537.1M</b>											
<b>Matrix Spike Dup (BA00122-MSD1)</b>		*Source sample: 20A0070-01 (MW-01 20200103)					Prepared: 01/06/2020 Analyzed: 01/08/2020				
Perfluorobutanesulfonic acid (PFBS)	71.3	4.00	ng/L	70.8	ND	101	25-150		2.07	35	
Perfluorohexanoic acid (PFHxA)	84.6	4.00	"	80.0	9.95	93.3	25-150		2.30	35	
Perfluoroheptanoic acid (PFHpA)	103	4.00	"	80.0	22.7	101	25-150		2.93	35	
Perfluorohexanesulfonic acid (PFHxS)	71.1	4.00	"	59.2	4.17	113	25-150		1.50	35	
Perfluorooctanoic acid (PFOA)	191	4.00	"	80.0	109	101	25-150		10.3	35	
Perfluorooctanesulfonic acid (PFOS)	98.2	4.00	"	58.4	26.6	123	25-150		1.83	35	
Perfluorononanoic acid (PFNA)	66.4	4.00	"	76.8	ND	86.5	25-150		3.24	35	
Perfluorodecanoic acid (PFDA)	75.7	4.00	"	80.0	ND	94.6	25-150		2.82	35	
Perfluoroundecanoic acid (PFUnA)	71.5	4.00	"	80.0	ND	89.4	25-150		6.85	35	
Perfluorododecanoic acid (PFDoA)	71.2	4.00	"	80.0	ND	89.0	25-150		4.10	35	
Perfluorotridecanoic acid (PFTriDA)	52.1	4.00	"	80.0	ND	65.1	25-150		6.05	35	
Perfluorotetradecanoic acid (PFTA)	75.9	4.00	"	80.0	ND	94.9	25-150		8.32	35	
N-MeFOSAA	74.5	4.00	"	80.0	5.00	86.9	25-150		11.6	35	
N-EtFOSAA	70.0	4.00	"	80.0	7.69	77.9	25-150		5.12	35	
Perfluoropentanoic acid (PFPeA)	82.0	4.00	"	80.0	8.61	91.8	25-150		0.785	35	
Perfluoro-1-octanesulfonamide (FOSA)	72.7	4.00	"	80.0	ND	90.9	25-150		2.03	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	81.3	4.00	"	79.6	ND	102	25-150		0.515	35	
Perfluoro-1-decanesulfonic acid (PFDS)	33.8	4.00	"	77.2	ND	43.7	25-150		2.95	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	68.6	10.0	"	76.0	ND	90.3	25-150		1.85	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	73.2	4.00	"	76.8	ND	95.3	25-150		0.637	35	
Perfluoro-n-butanoic acid (PFBA)	78.2	4.00	"	80.0	6.83	89.2	25-150		0.927	35	
Surrogate: M3PFBS	66.6		"	74.3		89.7	25-150				
Surrogate: M5PFHxA	76.7		"	80.0		95.9	25-150				
Surrogate: M4PFHpA	66.7		"	80.0		83.4	25-150				
Surrogate: M3PFHxS	68.3		"	75.7		90.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	76.4		"	80.0		95.5	25-150				
Surrogate: M6PFDA	72.4		"	80.0		90.5	25-150				
Surrogate: M7PFUdA	51.7		"	80.0		64.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	34.6		"	80.0		43.2	25-150				
Surrogate: M2PFTeDA	23.6		"	80.0		29.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	67.7		"	80.0		84.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	63.7		"	76.6		83.3	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	74.8		"	80.0		93.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	57.1		"	80.0		71.4	10-150				
Surrogate: d3-N-MeFOSAA	40.0		"	80.0		50.0	25-150				
Surrogate: d5-N-EtFOSAA	32.3		"	80.0		40.4	25-150				
Surrogate: M2-6:2 FTS	105		"	75.9		139	25-150				
Surrogate: M2-8:2 FTS	87.5		"	76.6		114	25-150				
Surrogate: M9PFNA	84.8		"	80.0		106	25-150				



Semivolatile Organic Compounds by GC/MS TIC - Quality Control Data  
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00192 - EPA 3510C**

**Blank (BA00192-BLK1)**

Prepared & Analyzed: 01/07/2020

Tentatively Identified Compounds                      0.00                      ug/L





**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00096 - EPA SW846-3510C Low Level**

**Blank (BA00096-BLK1)**

Prepared & Analyzed: 01/06/2020

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								

Surrogate: Decachlorobiphenyl

0.165

"

0.200

82.5

30-150

Surrogate: Tetrachloro-m-xylene

0.154

"

0.200

76.9

30-150

**LCS (BA00096-BS1)**

Prepared & Analyzed: 01/06/2020

4,4'-DDD	0.0952	0.00400	ug/L	0.100		95.2	40-140				
4,4'-DDE	0.0970	0.00400	"	0.100		97.0	40-140				
4,4'-DDT	0.145	0.00400	"	0.100		145	40-140	High Bias			
Aldrin	0.0907	0.00400	"	0.100		90.7	40-140				
alpha-BHC	0.0915	0.00400	"	0.100		91.5	40-140				
alpha-Chlordane	0.0879	0.00400	"	0.100		87.9	40-140				
beta-BHC	0.0950	0.00400	"	0.100		95.0	40-140				
delta-BHC	0.108	0.00400	"	0.100		108	40-140				
Dieldrin	0.111	0.00200	"	0.100		111	40-140				
Endosulfan I	0.0922	0.00400	"	0.100		92.2	40-140				
Endosulfan II	0.108	0.00400	"	0.100		108	40-140				
Endosulfan sulfate	0.107	0.00400	"	0.100		107	40-140				
Endrin	0.112	0.00400	"	0.100		112	40-140				
Endrin aldehyde	0.103	0.0100	"	0.100		103	40-140				
Endrin ketone	0.112	0.0100	"	0.100		112	40-140				
gamma-BHC (Lindane)	0.0975	0.00400	"	0.100		97.5	40-140				
gamma-Chlordane	0.0968	0.0100	"	0.100		96.8	40-140				
Heptachlor	0.100	0.00400	"	0.100		100	40-140				
Heptachlor epoxide	0.0892	0.00400	"	0.100		89.2	40-140				
Methoxychlor	0.398	0.00400	"	0.100		398	40-140	High Bias			

Surrogate: Decachlorobiphenyl

0.162

"

0.200

81.2

30-150

Surrogate: Tetrachloro-m-xylene

0.155

"

0.200

77.3

30-150



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00096 - EPA SW846-3510C Low Level**

<b>Matrix Spike (BA00096-MS1)</b>	*Source sample: 20A0070-01 (MW-01 20200103)						Prepared: 01/06/2020 Analyzed: 01/07/2020				
4,4'-DDD	0.106	0.00410	ug/L	0.103	ND	103	30-150				
4,4'-DDE	0.0942	0.00410	"	0.103	ND	91.9	30-150				
4,4'-DDT	0.163	0.00410	"	0.103	ND	159	30-150	High Bias			
Aldrin	0.0888	0.00410	"	0.103	ND	86.6	30-150				
alpha-BHC	0.0984	0.00410	"	0.103	ND	95.9	30-150				
alpha-Chlordane	0.0862	0.00410	"	0.103	ND	84.1	30-150				
beta-BHC	0.101	0.00410	"	0.103	ND	98.2	30-150				
delta-BHC	0.115	0.00410	"	0.103	ND	112	30-150				
Dieldrin	0.106	0.00205	"	0.103	ND	104	30-150				
Endosulfan I	0.0895	0.00410	"	0.103	ND	87.3	30-150				
Endosulfan II	0.101	0.00410	"	0.103	ND	98.2	30-150				
Endosulfan sulfate	0.103	0.00410	"	0.103	ND	100	30-150				
Endrin	0.117	0.00410	"	0.103	ND	114	30-150				
Endrin aldehyde	0.0935	0.0103	"	0.103	ND	91.2	30-150				
Endrin ketone	0.107	0.0103	"	0.103	ND	104	30-150				
gamma-BHC (Lindane)	0.101	0.00410	"	0.103	ND	98.1	30-150				
gamma-Chlordane	0.0881	0.0103	"	0.103	ND	85.9	30-150				
Heptachlor	0.120	0.00410	"	0.103	ND	117	30-150				
Heptachlor epoxide	0.0931	0.00410	"	0.103	ND	90.8	30-150				
Methoxychlor	0.402	0.00410	"	0.103	ND	392	30-150	High Bias			
Surrogate: Decachlorobiphenyl	0.166		"	0.205		81.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.162		"	0.205		78.8	30-150				

<b>Matrix Spike Dup (BA00096-MSD1)</b>	*Source sample: 20A0070-01 (MW-01 20200103)						Prepared: 01/06/2020 Analyzed: 01/07/2020				
4,4'-DDD	0.107	0.00410	ug/L	0.103	ND	104	30-150		0.616	20	
4,4'-DDE	0.0931	0.00410	"	0.103	ND	90.7	30-150		1.23	20	
4,4'-DDT	0.162	0.00410	"	0.103	ND	158	30-150	High Bias	1.09	20	
Aldrin	0.0878	0.00410	"	0.103	ND	85.6	30-150		1.12	20	
alpha-BHC	0.0973	0.00410	"	0.103	ND	94.9	30-150		1.13	20	
alpha-Chlordane	0.0863	0.00410	"	0.103	ND	84.2	30-150		0.150	20	
beta-BHC	0.103	0.00410	"	0.103	ND	100	30-150		2.10	20	
delta-BHC	0.115	0.00410	"	0.103	ND	112	30-150		0.326	20	
Dieldrin	0.106	0.00205	"	0.103	ND	104	30-150		0.0888	20	
Endosulfan I	0.0884	0.00410	"	0.103	ND	86.2	30-150		1.23	20	
Endosulfan II	0.100	0.00410	"	0.103	ND	97.5	30-150		0.679	20	
Endosulfan sulfate	0.109	0.00410	"	0.103	ND	106	30-150		5.68	20	
Endrin	0.119	0.00410	"	0.103	ND	116	30-150		1.65	20	
Endrin aldehyde	0.0959	0.0103	"	0.103	ND	93.5	30-150		2.56	20	
Endrin ketone	0.111	0.0103	"	0.103	ND	108	30-150		3.75	20	
gamma-BHC (Lindane)	0.0997	0.00410	"	0.103	ND	97.3	30-150		0.872	20	
gamma-Chlordane	0.0920	0.0103	"	0.103	ND	89.7	30-150		4.31	20	
Heptachlor	0.117	0.00410	"	0.103	ND	114	30-150		2.62	20	
Heptachlor epoxide	0.0924	0.00410	"	0.103	ND	90.0	30-150		0.848	20	
Methoxychlor	0.440	0.00410	"	0.103	ND	429	30-150	High Bias	8.87	20	
Surrogate: Decachlorobiphenyl	0.185		"	0.205		90.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.167		"	0.205		81.4	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	Limits		Limit			

**Batch Y9L2426 - BL90379**

**Performance Mix (Y9L2426-PEM1)**

Prepared & Analyzed: 12/16/2019

4,4'-DDD	25.9		ng/mL	0.00				0-200			
4,4'-DDE	2.27		"	0.00				0-200			
4,4'-DDT	368		"	200		184		0-200			
Endrin	169		"	100		169		0-200			
Endrin aldehyde	2.42		"	0.00				0-200			
Endrin ketone	9.93		"	0.00				0-200			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00096 - EPA SW846-3510C Low Level</b>											
<b>Blank (BA00096-BLK2)</b>										Prepared & Analyzed: 01/06/2020	
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.181		"	0.200		90.5	30-120				
Surrogate: Decachlorobiphenyl	0.226		"	0.200		113	30-120				
<b>LCS (BA00096-BS2)</b>										Prepared & Analyzed: 01/06/2020	
Aroclor 1016	0.949	0.0500	ug/L	1.00		94.9	40-120				
Aroclor 1260	1.05	0.0500	"	1.00		105	40-120				
Surrogate: Tetrachloro-m-xylene	0.185		"	0.200		92.5	30-120				
Surrogate: Decachlorobiphenyl	0.199		"	0.200		99.5	30-120				
<b>Matrix Spike (BA00096-MS2)</b>										*Source sample: 20A0070-01 (MW-01 20200103) Prepared: 01/06/2020 Analyzed: 01/07/2020	
Aroclor 1016	1.22	0.0513	ug/L	1.03	ND	119	40-140				
Aroclor 1260	1.25	0.0513	"	1.03	ND	122	40-140				
Surrogate: Tetrachloro-m-xylene	0.242		"	0.205		118	30-120				
Surrogate: Decachlorobiphenyl	0.244		"	0.205		119	30-120				
<b>Matrix Spike Dup (BA00096-MSD2)</b>										*Source sample: 20A0070-01 (MW-01 20200103) Prepared: 01/06/2020 Analyzed: 01/07/2020	
Aroclor 1016	1.09	0.0513	ug/L	1.03	ND	106	40-140		11.1	50	
Aroclor 1260	1.22	0.0513	"	1.03	ND	118	40-140		2.66	50	
Surrogate: Tetrachloro-m-xylene	0.201		"	0.205		98.0	30-120				
Surrogate: Decachlorobiphenyl	0.245		"	0.205		120	30-120				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								RPD	

**Batch BA00153 - EPA 3015A**

**Blank (BA00153-BLK1)**

Prepared & Analyzed: 01/06/2020

Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.0597	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

**LCS (BA00153-BS1)**

Prepared & Analyzed: 01/06/2020

Aluminum	2.04		ug/mL	2.00		102	80-120				
Barium	2.09		"	2.00		104	80-120				
Calcium	1.04		"	1.00		104	80-120				
Chromium	0.200		"	0.200		99.8	80-120				
Cobalt	0.529		"	0.500		106	80-120				
Copper	0.261		"	0.250		105	80-120				
Iron	1.05		"	1.00		105	80-120				
Lead	0.527		"	0.500		105	80-120				
Magnesium	1.03		"	1.00		103	80-120				
Manganese	0.521		"	0.500		104	80-120				
Nickel	0.514		"	0.500		103	80-120				
Potassium	0.955		"	1.00		95.5	80-120				
Silver	0.0513		"	0.0500		103	80-120				
Sodium	0.991		"	1.00		99.1	80-120				
Vanadium	0.501		"	0.500		100	80-120				
Zinc	0.499		"	0.500		99.7	80-120				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00153 - EPA 3015A**

<b>Duplicate (BA00153-DUP1)</b>	*Source sample: 20A0070-01 (MW-01 20200103)					Prepared & Analyzed: 01/06/2020					
Aluminum	0.310	0.0556	mg/L		0.347					11.5	20
Barium	0.0571	0.0278	"		0.0549					3.98	20
Calcium	46.9	0.0556	"		45.3					3.52	20
Chromium	3.55	0.00556	"		3.39					4.42	20
Cobalt	0.0116	0.00444	"		0.0107					7.64	20
Copper	ND	0.0222	"		ND						20
Iron	0.666	0.278	"		0.642					3.59	20
Lead	ND	0.00556	"		ND						20
Magnesium	20.2	0.0556	"		19.5					3.54	20
Manganese	0.304	0.00556	"		0.289					4.91	20
Nickel	0.213	0.0111	"		0.197					7.64	20
Potassium	4.58	0.0556	"		4.50					1.72	20
Silver	0.0500	0.00556	"		0.0485					3.10	20
Sodium	56.3	0.556	"		55.3					1.76	20
Vanadium	ND	0.0111	"		ND						20
Zinc	ND	0.0278	"		ND						20

<b>Matrix Spike (BA00153-MS1)</b>	*Source sample: 20A0070-01 (MW-01 20200103)					Prepared & Analyzed: 01/06/2020					
Aluminum	2.47	0.0556	mg/L	2.22	0.347	95.6	75-125				
Barium	2.30	0.0278	"	2.22	0.0549	101	75-125				
Calcium	46.1	0.0556	"	1.11	45.3	73.5	75-125	Low Bias			
Chromium	3.59	0.00556	"	0.222	3.39	88.5	75-125				
Cobalt	0.580	0.00444	"	0.556	0.0107	102	75-125				
Copper	0.288	0.0222	"	0.278	ND	104	75-125				
Iron	1.68	0.278	"	1.11	0.642	93.0	75-125				
Lead	0.563	0.00556	"	0.556	ND	101	75-125				
Magnesium	21.3	0.0556	"	1.11	19.5	163	75-125	High Bias			
Manganese	0.856	0.00556	"	0.556	0.289	102	75-125				
Nickel	0.767	0.0111	"	0.556	0.197	103	75-125				
Potassium	5.49	0.0556	"	1.11	4.50	88.5	75-125				
Silver	0.101	0.00556	"	0.0556	0.0485	94.8	75-125				
Sodium	55.4	0.556	"	1.11	55.3	11.4	75-125	Low Bias			
Vanadium	0.536	0.0111	"	0.556	ND	96.5	75-125				
Zinc	0.490	0.0278	"	0.556	ND	88.2	75-125				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result					Limit			

**Batch BA00153 - EPA 3015A**

**Post Spike (BA00153-PS1)**

\*Source sample: 20A0070-01 (MW-01 20200103)

Prepared & Analyzed: 01/06/2020

Aluminum	2.47		ug/mL	2.00	0.347	106	75-125						
Barium	2.14		"	2.00	0.0549	104	75-125						
Calcium	42.3		"	1.00	45.3	NR	75-125	Low Bias					
Chromium	3.25		"	0.200	3.39	NR	75-125	Low Bias					
Cobalt	0.541		"	0.500	0.0107	106	75-125						
Copper	0.272		"	0.250	0.00445	107	75-125						
Iron	1.66		"	1.00	0.642	102	75-125						
Lead	0.517		"	0.500	0.000644	103	75-125						
Magnesium	19.5		"	1.00	19.5	3.32	75-125	Low Bias					
Manganese	0.791		"	0.500	0.289	100	75-125						
Nickel	0.710		"	0.500	0.197	103	75-125						
Potassium	5.38		"	1.00	4.50	87.6	75-125						
Silver	0.0803		"	0.0500	0.0485	63.6	75-125	Low Bias					
Sodium	51.5		"	1.00	55.3	NR	75-125	Low Bias					
Vanadium	0.500		"	0.500	-0.0129	100	75-125						
Zinc	0.470		"	0.500	-0.0568	94.0	75-125						

**Batch BA00366 - EPA 3015A**

**Blank (BA00366-BLK1)**

Prepared: 01/09/2020 Analyzed: 01/10/2020

Aluminum - Dissolved	ND	0.0556	mg/L										
Barium - Dissolved	ND	0.0278	"										
Calcium - Dissolved	ND	0.0556	"										
Chromium - Dissolved	ND	0.00556	"										
Cobalt - Dissolved	ND	0.00444	"										
Copper - Dissolved	ND	0.0222	"										
Iron - Dissolved	ND	0.278	"										
Lead - Dissolved	ND	0.00556	"										
Magnesium - Dissolved	ND	0.0556	"										
Manganese - Dissolved	ND	0.00556	"										
Nickel - Dissolved	ND	0.0111	"										
Potassium - Dissolved	ND	0.0556	"										
Silver - Dissolved	ND	0.00556	"										
Sodium - Dissolved	ND	0.556	"										
Vanadium - Dissolved	ND	0.0111	"										
Zinc - Dissolved	ND	0.0278	"										



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	
		Limit								Units	Level

**Batch BA00366 - EPA 3015A**

**LCS (BA00366-BS1)**

Prepared: 01/09/2020 Analyzed: 01/10/2020

Aluminum - Dissolved	1.87		ug/mL	2.00		93.7	80-120				
Barium - Dissolved	1.95		"	2.00		97.4	80-120				
Calcium - Dissolved	0.864		"	1.00		86.4	80-120				
Chromium - Dissolved	0.192		"	0.200		95.9	80-120				
Cobalt - Dissolved	0.507		"	0.500		101	80-120				
Copper - Dissolved	0.244		"	0.250		97.6	80-120				
Iron - Dissolved	0.965		"	1.00		96.5	80-120				
Lead - Dissolved	0.495		"	0.500		99.0	80-120				
Magnesium - Dissolved	0.999		"	1.00		99.9	80-120				
Manganese - Dissolved	0.484		"	0.500		96.9	80-120				
Nickel - Dissolved	0.492		"	0.500		98.4	80-120				
Potassium - Dissolved	0.889		"	1.00		88.9	80-120				
Silver - Dissolved	0.0445		"	0.0500		89.1	80-120				
Sodium - Dissolved	0.968		"	1.00		96.8	80-120				
Vanadium - Dissolved	0.465		"	0.500		93.0	80-120				
Zinc - Dissolved	0.471		"	0.500		94.1	80-120				

**Duplicate (BA00366-DUP1)**

\*Source sample: 20A0070-01 (MW-01 20200103)

Prepared: 01/09/2020 Analyzed: 01/10/2020

Aluminum - Dissolved	ND	0.0556	mg/L		ND						20
Barium - Dissolved	0.0509	0.0278	"		0.0523				2.68		20
Calcium - Dissolved	43.9	0.0556	"		44.0				0.338		20
Chromium - Dissolved	3.46	0.00556	"		3.59				3.78		20
Cobalt - Dissolved	0.0112	0.00444	"		0.0114				1.68		20
Copper - Dissolved	ND	0.0222	"		ND						20
Iron - Dissolved	ND	0.278	"		ND						20
Lead - Dissolved	ND	0.00556	"		ND						20
Magnesium - Dissolved	18.4	0.0556	"		18.5				0.658		20
Manganese - Dissolved	0.274	0.00556	"		0.284				3.63		20
Nickel - Dissolved	0.209	0.0111	"		0.213				2.04		20
Potassium - Dissolved	4.39	0.0556	"		4.40				0.339		20
Silver - Dissolved	0.0421	0.00556	"		0.0426				1.16		20
Sodium - Dissolved	54.1	0.556	"		54.3				0.372		20
Vanadium - Dissolved	ND	0.0111	"		ND						20
Zinc - Dissolved	ND	0.0278	"		ND						20





**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Level					Result			

**Batch BA00366 - EPA 3015A**

<b>Matrix Spike (BA00366-MS1)</b>	*Source sample: 20A0070-01 (MW-01 20200103)						Prepared: 01/09/2020 Analyzed: 01/10/2020						
Barium - Dissolved	2.19	0.0278	mg/L	2.22	0.0523	96.2	75-125						
Chromium - Dissolved	3.70	0.00556	"	0.222	3.59	46.9	75-125	Low Bias					
Cobalt - Dissolved	0.562	0.00444	"	0.556	0.0114	99.1	75-125						
Copper - Dissolved	0.274	0.0222	"	0.278	ND	98.8	75-125						
Iron - Dissolved	1.08	0.278	"	1.11	ND	97.3	75-125						
Lead - Dissolved	0.532	0.00556	"	0.556	ND	95.7	75-125						
Manganese - Dissolved	0.817	0.00556	"	0.556	0.284	96.0	75-125						
Nickel - Dissolved	0.754	0.0111	"	0.556	0.213	97.4	75-125						
Silver - Dissolved	0.0916	0.00556	"	0.0556	0.0426	88.3	75-125						
Vanadium - Dissolved	0.510	0.0111	"	0.556	ND	91.7	75-125						
Zinc - Dissolved	0.459	0.0278	"	0.556	ND	82.7	75-125						

<b>Post Spike (BA00366-PS1)</b>	*Source sample: 20A0070-01 (MW-01 20200103)						Prepared: 01/09/2020 Analyzed: 01/10/2020						
Aluminum - Dissolved	2.04		ug/mL	2.00	-0.00541	102	75-125						
Barium - Dissolved	2.11		"	2.00	0.0523	103	75-125						
Calcium - Dissolved	40.9		"	1.00	44.0	NR	75-125	Low Bias					
Chromium - Dissolved	3.34		"	0.200	3.59	NR	75-125	Low Bias					
Cobalt - Dissolved	0.543		"	0.500	0.0114	106	75-125						
Copper - Dissolved	0.264		"	0.250	0.00398	104	75-125						
Iron - Dissolved	1.06		"	1.00	0.0232	103	75-125						
Lead - Dissolved	0.508		"	0.500	-0.00230	102	75-125						
Magnesium - Dissolved	18.7		"	1.00	18.5	17.2	75-125	Low Bias					
Manganese - Dissolved	0.770		"	0.500	0.284	97.2	75-125						
Nickel - Dissolved	0.718		"	0.500	0.213	101	75-125						
Potassium - Dissolved	4.88		"	1.00	4.40	48.1	75-125	Low Bias					
Silver - Dissolved	0.0728		"	0.0500	0.0426	60.5	75-125	Low Bias					
Sodium - Dissolved	49.5		"	1.00	54.3	NR	75-125	Low Bias					
Vanadium - Dissolved	0.491		"	0.500	-0.0148	98.3	75-125						
Zinc - Dissolved	0.456		"	0.500	-0.0574	91.3	75-125						



**Metals by ICP/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit		Level	Result	Limits	Limit				

**Batch BA00152 - EPA 3015A**

**Blank (BA00152-BLK1)**

Prepared & Analyzed: 01/06/2020

Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								

**LCS (BA00152-BS1)**

Prepared & Analyzed: 01/06/2020

Antimony	41.6		ug/L	50.0		83.2	80-120				
Arsenic	45.2		"	50.0		90.3	80-120				
Beryllium	42.1		"	50.0		84.3	80-120				
Cadmium	46.1		"	50.0		92.1	80-120				
Selenium	41.9		"	50.0		83.9	80-120				
Thallium	54.3		"	50.0		109	80-120				

**Duplicate (BA00152-DUP1)**

\*Source sample: 20A0070-01 (MW-01 20200103)

Prepared & Analyzed: 01/06/2020

Antimony	ND	1.11	ug/L		ND						20
Arsenic	ND	1.11	"		ND						20
Beryllium	ND	0.333	"		ND						20
Cadmium	ND	0.556	"		ND						20
Selenium	ND	1.11	"		ND						20
Thallium	ND	1.11	"		ND						20

**Matrix Spike (BA00152-MS1)**

\*Source sample: 20A0070-01 (MW-01 20200103)

Prepared & Analyzed: 01/06/2020

Antimony	43.2		ug/L	50.0	-0.028	86.5	75-125				
Arsenic	43.3		"	50.0	0.256	86.1	75-125				
Beryllium	28.1		"	50.0	0.008	56.1	75-125	Low Bias			
Cadmium	46.2		"	50.0	0.043	92.4	75-125				
Selenium	42.8		"	50.0	0.752	84.1	75-125				
Thallium	50.1		"	50.0	0.035	100	75-125				



**Metals by ICP/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit		Level	Result	Limits	Limit				

**Batch BA00367 - EPA 3015A**

**Blank (BA00367-BLK1)**

Prepared: 01/09/2020 Analyzed: 01/10/2020

Antimony - Dissolved	ND	1.11	ug/L								
Arsenic - Dissolved	ND	1.11	"								
Beryllium - Dissolved	ND	0.333	"								
Cadmium - Dissolved	ND	0.556	"								
Selenium - Dissolved	7.97	1.11	"								
Thallium - Dissolved	ND	1.11	"								

**LCS (BA00367-BS1)**

Prepared: 01/09/2020 Analyzed: 01/10/2020

Antimony - Dissolved	51.4		ug/L	50.0	103	80-120					
Arsenic - Dissolved	54.7		"	50.0	109	80-120					
Beryllium - Dissolved	69.0		"	50.0	138	80-120	High Bias				
Cadmium - Dissolved	46.8		"	50.0	93.5	80-120					
Selenium - Dissolved	64.6		"	50.0	129	80-120	High Bias				
Thallium - Dissolved	71.3		"	100	71.3	80-120	Low Bias				

**Duplicate (BA00367-DUP1)**

\*Source sample: 20A0070-01 (MW-01 20200103)

Prepared: 01/09/2020 Analyzed: 01/10/2020

Antimony - Dissolved	ND	1.11	ug/L		ND					20	
Arsenic - Dissolved	ND	1.11	"		ND					20	
Beryllium - Dissolved	ND	0.333	"		ND					20	
Cadmium - Dissolved	ND	0.556	"		ND					20	
Selenium - Dissolved	7.86	1.11	"		15.7				66.5	20	Non-dir.
Thallium - Dissolved	ND	1.11	"		ND					20	

**Matrix Spike (BA00367-MS1)**

\*Source sample: 20A0070-01 (MW-01 20200103)

Prepared: 01/09/2020 Analyzed: 01/10/2020

Antimony - Dissolved	50.4		ug/L	50.0	0.069	101	75-125				
Arsenic - Dissolved	57.3		"	50.0	0.443	114	75-125				
Beryllium - Dissolved	49.8		"	50.0	0.009	99.7	75-125				
Cadmium - Dissolved	46.9		"	50.0	0.044	93.8	75-125				
Selenium - Dissolved	64.3		"	50.0	14.1	100	75-125				
Thallium - Dissolved	67.1		"	100	0.259	66.8	75-125	Low Bias			



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00160 - EPA 7473 water</b>											
<b>Blank (BA00160-BLK1)</b>										Prepared & Analyzed: 01/06/2020	
Mercury	ND	0.00020	mg/L								
<b>Duplicate (BA00160-DUP1)</b>										*Source sample: 20A0070-01 (MW-01 20200103) Prepared & Analyzed: 01/06/2020	
Mercury	ND	0.00020	mg/L		ND						20
<b>Matrix Spike (BA00160-MS1)</b>										*Source sample: 20A0070-01 (MW-01 20200103) Prepared & Analyzed: 01/06/2020	
Mercury	0.00938		mg/L	0.0100	0.00	93.8	75-125				
<b>Reference (BA00160-SRM1)</b>										Prepared & Analyzed: 01/06/2020	
Mercury	0.00867		mg/L	0.0100		86.7	70-130				
<b>Batch BA00187 - EPA 7473 water</b>											
<b>Blank (BA00187-BLK1)</b>										Prepared & Analyzed: 01/06/2020	
Mercury - Dissolved	ND	0.0002000	mg/L								
<b>Duplicate (BA00187-DUP1)</b>										*Source sample: 20A0070-01 (MW-01 20200103) Prepared & Analyzed: 01/06/2020	
Mercury - Dissolved	ND	0.0002000	mg/L		ND						20
<b>Matrix Spike (BA00187-MS1)</b>										*Source sample: 20A0070-01 (MW-01 20200103) Prepared & Analyzed: 01/06/2020	
Mercury - Dissolved	0.01040		mg/L	0.0100	0.000	104	75-125				
<b>Reference (BA00187-SRM1)</b>										Prepared & Analyzed: 01/06/2020	
Mercury - Dissolved	0.01073		mg/L	0.0100		107	70-130				



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20A0070-01	MW-01 20200103	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20A0070-02	MW-03 20200103	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20A0070-03	MW-03 20200103 DUP	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



### Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-L	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased low.
HT-04	NON-COMPLIANT- Client requested analysis be conducted outside of holding times.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-CRL	The RL check for this element recovered outside of control limits.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
S-D	The surrogates were spiked at twice the normal concentration and recovery is within limits.
M-SRD1	The serial dilution for this element was outside control limits.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
S-08	The recovery of this surrogate was outside of QC limits.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.



LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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Revision Description: added 1,4-Dioxane, VOC and SVOC Tics



YORK Analytical Laboratories, Inc.  
 120 Research Drive  
 Stratford, CT 06615  
 clientservices@yorklab.com  
 www.yorklab.com

# Field Chain-of-Custody Record

YORK Project No.  
 20A0070

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

Page 1 of 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: GBTS	Address: 22 IBM Rd 101 Poughkeepsie, NY	Company: Same	Address: Same	Company: Same	Address: Same	1319062	.40	RUSH - Next Day	
Phone: (845) 852-1658	Contact: Jennifer Ross	Phone: Same	Contact: Same	Phone: Same	Contact: Brenda Wells			RUSH - Two Day	
E-mail: Jennifer.Ross@gbt.com		E-mail: Same	E-mail: Same	E-mail: Jennifer.Ross@gbt.com	E-mail: brenda.wells			RUSH - Three Day	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.								RUSH - Four Day	
Samples Collected by: (print your name above and sign below) Jennifer Ross								Standard (5-7 Day)	X
Sample Identification	Matrix Codes	Matrix	Sample Matrix	Date/Time Sampled	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description	YORK Reg. Comp.
MW-0120200103	S - soil / solid	GW - groundwater	GW	1/3 1125	New York	Standard Report	NYSDEC Part 375 1,4 Dioxin, TAL Metal, Dissolved Nickel, Rest/PCB, VOC, B Amber, TKO EIT,	SVOC	Compared to the following Regulation(s): (please fill in)
MW-0120200103 MS/MSD	DW - drinking water	DW		1200	New Jersey	QA Report			
MW-0320200103 Dup	WW - wastewater	WW		1345	Connecticut	NY ASP A Package			
MW-0320200103	O - Oil	O		1435	Pennsylvania	NY ASP B Package			
MW-0120200103				1125	Other	NJDKQP		2, 250ml jars	
MW-0120200103 MS/MSD				1200			PFAS (NYSDEC)	2, 250 ml jars	
MW-0320200103				1345			PFAS (NYSDEC)		
MW-0320200103 Dup				1435					
Comments: 82603 PFAS Samples retained in Queens. NY VO kit: 3 Vials, HCl									
Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Preservation: (check all that apply)	H2SO4	NaOH	ZnAc
Tom A / York	1/3/20 16:46	Tom A / York	1/3-20 1646	Tom A / York	1-3-20 1646	HCl <input type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO3 <input checked="" type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other: <input checked="" type="checkbox"/>			
Tom A / York	1/3/20 1553	Tom A / York	1/3/20 1749	Tom A / York	1/3/20 1749				
Tom A / York	1-3-20 1905	Tom A / York	1-3-20 1905	Tom A / York	1-3-20 1905				





# Technical Report

prepared for:

**Gallagher Bassett - Poughkeepsie, NY**

22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
**Attention: Erick Salazar**

Report Date: 02/05/2020

**Client Project ID: IB19062**

York Project (SDG) No.: 20A0539

Revision No. 3.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 02/05/2020  
Client Project ID: IB19062  
York Project (SDG) No.: 20A0539

**Gallagher Bassett - Poughkeepsie, NY**  
22 IBM Road, Suite 101  
Poughkeepsie NY, 12601  
Attention: Erick Salazar

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 15, 2020 and listed below. The project was identified as your project: **IB19062**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20A0539-01	MW-02 20200114	Water	01/14/2020	01/15/2020
20A0539-02	DUP-20200114	Water	01/14/2020	01/15/2020
20A0539-03	FB-20200114	Water	01/14/2020	01/15/2020

## **General Notes for York Project (SDG) No.: 20A0539**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

**Approved By:**



Benjamin Gulizia  
Laboratory Director

**Date:** 02/05/2020





### Sample Information

**Client Sample ID:** MW-02 20200114

**York Sample ID:** 20A0539-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20A0539	IB19062	Water	January 14, 2020 12:00 am	01/15/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ



### Sample Information

**Client Sample ID:** MW-02 20200114

**York Sample ID:** 20A0539-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
67-64-1	Acetone	1.2	CCV-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
67-66-3	Chloroform	0.39	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
74-87-3	Chloromethane	0.32	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
156-59-2	cis-1,2-Dichloroethylene	1.1		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ



### Sample Information

**Client Sample ID:** MW-02 20200114

**York Sample ID:** 20A0539-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-65-0	<b>tert-Butyl alcohol (TBA)</b>	<b>3.4</b>	CCV-E	ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
127-18-4	<b>Tetrachloroethylene</b>	<b>22</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
79-01-6	<b>Trichloroethylene</b>	<b>23</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/16/2020 12:32	01/17/2020 15:24	LLJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	117 %	69-130								



### Sample Information

**Client Sample ID:** MW-02 20200114

**York Sample ID:** 20A0539-01

<u>York Project (SDG) No.</u> 20A0539	<u>Client Project ID</u> IB19062	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 14, 2020 12:00 am	<u>Date Received</u> 01/15/2020
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**Volatile Organics, 8260 - Comprehensive**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURRE: Toluene-d8	99.2 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	98.4 %			79-122						

**Volatile Organics, Tentatively Identified Cmpds.**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	dimethyl Naphthalene isomer	6.3		ug/L		1	EPA 8260C Certifications:	01/16/2020 12:32	01/17/2020 15:24	LLJ

**Semi-Volatile Organics, 8270 - Comprehensive**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW



### Sample Information

**Client Sample ID:** MW-02 20200114

**York Sample ID:** 20A0539-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
92-87-5	Benzidine	ND	CCV-L	ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW





### Sample Information

**Client Sample ID:** MW-02 20200114

**York Sample ID:** 20A0539-01

York Project (SDG) No.

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Water

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**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 06:37	OW

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURRE: 2-Fluorophenol	29.4 %	19.7-63.1
4165-62-2	Surrogate: SURRE: Phenol-d5	18.1 %	10.1-41.7
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	65.5 %	50.2-113
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	63.8 %	39.9-105
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	78.0 %	39.3-151
1718-51-0	Surrogate: SURRE: Terphenyl-d14	73.6 %	30.7-106

**Semi-Volatile Organics, 8270 - Comprehensive (SIM)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:25	OW



Sample Information

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Semi-Volatile Organics, 8270 - Comprehensive (SIM)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various organic compounds like Acenaphthylene, Anthracene, Atrazine, etc.



### Sample Information

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**Semi-Volatiles, 1,4-Dioxane by 8270-SIM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	01/20/2020 08:30	01/20/2020 20:29	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %	50-130							

**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	5.17		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	23.5		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	14.6		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	5.87		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	47.6		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	21.2		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	32.6		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT



### Sample Information

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**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	11.7		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:08	KT

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	79.7 %	25-150
Surrogate: M5PFHxA	73.2 %	25-150
Surrogate: M4PFHpA	70.3 %	25-150
Surrogate: M3PFHxS	79.6 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	76.3 %	25-150
Surrogate: M6PFDA	59.8 %	25-150
Surrogate: M7PFUdA	41.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	25.4 %	25-150
Surrogate: M2PFTeDA	15.7 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	71.0 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	71.4 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	76.1 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	11.6 %	10-150
Surrogate: d3-N-MeFOSAA	52.8 %	25-150
Surrogate: d5-N-EtFOSAA	47.4 %	25-150
Surrogate: M2-6:2 FTS	189 %	PFSu-H 25-150
Surrogate: M2-8:2 FTS	114 %	25-150
Surrogate: M9PFNA	74.3 %	25-150

**Semi-Volatiles, Tentatively Identified Cmpds.**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D Certifications:	01/17/2020 08:14	01/20/2020 06:37	OW



### Sample Information

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**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
309-00-2	Aldrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
319-84-6	alpha-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
319-85-7	beta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
57-74-9	Chlordane, total	ND		ug/L	0.0235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
319-86-8	delta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
60-57-1	Dieldrin	ND		ug/L	0.00235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
959-98-8	Endosulfan I	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
72-20-8	Endrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
76-44-8	Heptachlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
72-43-5	Methoxychlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM
8001-35-2	Toxaphene	ND		ug/L	0.118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:34	CM

Surrogate Recoveries	Result	Acceptance Range
2051-24-3 <i>Surrogate: Decachlorobiphenyl</i>	72.9 %	30-150



### Sample Information

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**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	69.9 %			30-150					

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:32	SR
11104-28-2	Aroclor 1221	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:32	SR
11141-16-5	Aroclor 1232	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:32	SR
53469-21-9	Aroclor 1242	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:32	SR
12672-29-6	Aroclor 1248	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:32	SR
11097-69-1	Aroclor 1254	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:32	SR
11096-82-5	Aroclor 1260	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:32	SR
1336-36-3	* Total PCBs	ND		ug/L	0.0588	1	EPA 8082A Certifications:	01/17/2020 13:28	01/20/2020 13:32	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	85.5 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	105 %	30-120

**Metals, Target Analyte, ICP**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.315		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-39-3	Barium	0.0838		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-70-2	Calcium	51.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-47-3	Chromium	0.292		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-48-4	Cobalt	0.00912		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM



### Sample Information

**Client Sample ID:** MW-02 20200114

**York Sample ID:** 20A0539-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.788		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7439-95-4	Magnesium	25.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7439-96-5	Manganese	0.229		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-02-0	Nickel	0.0267		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-09-7	Potassium	5.54	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-23-5	Sodium	116		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:05	JAM

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7440-39-3	Barium	0.0845		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7440-70-2	Calcium	53.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7440-47-3	Chromium	0.314		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7440-48-4	Cobalt	0.00887		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7439-95-4	Magnesium	26.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7439-96-5	Manganese	0.227		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM



### Sample Information

**Client Sample ID:** MW-02 20200114

**York Sample ID:** 20A0539-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	0.0137		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7440-09-7	Potassium	6.23		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7440-23-5	Sodium	124		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:14	JAM

**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/20/2020 18:38	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/20/2020 18:38	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/20/2020 18:38	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/20/2020 18:38	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/20/2020 18:38	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/20/2020 18:38	BML

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:08	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:08	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:08	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:08	BML
7782-49-2	Selenium	ND	M-ISO	ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:08	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:08	BML





Sample Information

Client Sample ID: MW-02 20200114

York Sample ID: 20A0539-01

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 20A0539, IB19062, Water, January 14, 2020 12:00 am, 01/15/2020

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6 Mercury ND mg/L 0.00020 1 EPA 7473 01/16/2020 10:39 01/16/2020 13:28 SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6 Mercury ND mg/L 0.0002000 1 EPA 7473 01/27/2020 17:02 01/27/2020 18:29 MAO

Sample Information

Client Sample ID: DUP-20200114

York Sample ID: 20A0539-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 20A0539, IB19062, Water, January 14, 2020 12:00 am, 01/15/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various organics like 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.



Sample Information

Client Sample ID: DUP-20200114

York Sample ID: 20A0539-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, etc.



### Sample Information

**Client Sample ID:** DUP-20200114

**York Sample ID:** 20A0539-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
67-66-3	<b>Chloroform</b>	<b>0.40</b>	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>1.1</b>		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ



### Sample Information

**Client Sample ID:** DUP-20200114

**York Sample ID:** 20A0539-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	3.0	CCV-E	ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
127-18-4	Tetrachloroethylene	22		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
79-01-6	Trichloroethylene	22		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/16/2020 12:32	01/17/2020 15:50	LLJ
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	112 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	97.7 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	98.2 %			79-122						

**Volatile Organics, Tentatively Identified Cmpds.**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	dimethyl Naphthalene isomer	2.1		ug/L		1	EPA 8260C Certifications:	01/16/2020 12:32	01/17/2020 15:50	LLJ

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW



Sample Information

Client Sample ID: DUP-20200114

York Sample ID: 20A0539-02

York Project (SDG) No.

Client Project ID

Matrix

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20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

Semi-Volatile Organics, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine, etc.



### Sample Information

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**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW



### Sample Information

**Client Sample ID:** DUP-20200114

**York Sample ID:** 20A0539-02

York Project (SDG) No.

Client Project ID

Matrix

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20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**Semi-Volatile Organics, 8270 - Comprehensive**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/21/2020 12:55	OW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	33.3 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	21.6 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.0 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.6 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	79.7 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.0 %			30.7-106						

**Semi-Volatile Organics, 8270 - Comprehensive (SIM)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/17/2020 08:14	01/20/2020 14:58	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.756</b>		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/17/2020 08:14	01/20/2020 14:58	OW
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW



### Sample Information

**Client Sample ID:** DUP-20200114

**York Sample ID:** 20A0539-02

York Project (SDG) No.

Client Project ID

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IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**Semi-Volatile Organics, 8270 - Comprehensive (SIM)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
86-73-7	Fluorene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/17/2020 08:14	01/20/2020 14:58	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/17/2020 08:14	01/20/2020 14:58	OW
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/17/2020 08:14	01/20/2020 14:58	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
91-20-3	Naphthalene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/17/2020 08:14	01/20/2020 14:58	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/17/2020 08:14	01/20/2020 14:58	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/17/2020 08:14	01/20/2020 14:58	OW
85-01-8	Phenanthrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 08:14	01/20/2020 14:58	OW

**Semi-Volatiles, 1,4-Dioxane by 8270-SIM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	01/20/2020 08:30	01/20/2020 20:47	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.0 %					50-130			

**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	5.28		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	23.0		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	13.2		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT





### Sample Information

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Water

January 14, 2020 12:00 am

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**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	5.67		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	45.5		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	19.9		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	31.7		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	11.9		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 01:35	KT

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS

77.0 %

25-150

Surrogate: M5PFHxA

71.7 %

25-150

Surrogate: M4PFHpA

71.2 %

25-150

Surrogate: M3PFHxS

77.5 %

25-150

Surrogate: Perfluoro-n-

77.5 %

25-150

[13C8]octanoic acid (M8PFOA)



### Sample Information

**Client Sample ID:** DUP-20200114

**York Sample ID:** 20A0539-02

<u>York Project (SDG) No.</u> 20A0539	<u>Client Project ID</u> IB19062	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 14, 2020 12:00 am	<u>Date Received</u> 01/15/2020
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**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M6PFDA	65.7 %			25-150					
	Surrogate: M7PFUdA	59.0 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	55.3 %			25-150					
	Surrogate: M2PFTeDA	27.7 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	68.8 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	73.8 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	71.2 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	58.3 %			10-150					
	Surrogate: d3-N-MeFOSAA	63.3 %			25-150					
	Surrogate: d5-N-EtFOSAA	63.1 %			25-150					
	Surrogate: M2-6:2 FTS	175 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	115 %			25-150					
	Surrogate: M9PFNA	67.7 %			25-150					

**Semi-Volatiles, Tentatively Identified Cmpds.**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D Certifications:	01/17/2020 08:14	01/21/2020 12:55	OW

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
309-00-2	Aldrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
319-84-6	alpha-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM



### Sample Information

**Client Sample ID:** DUP-20200114

**York Sample ID:** 20A0539-02

York Project (SDG) No.

Client Project ID

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IB19062

Water

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01/15/2020

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-85-7	beta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
57-74-9	Chlordane, total	ND		ug/L	0.0216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
319-86-8	delta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
60-57-1	Dieldrin	ND		ug/L	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
959-98-8	Endosulfan I	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
72-20-8	Endrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:28	01/19/2020 16:50	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
2051-24-3	Surrogate: Decachlorobiphenyl	65.4 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	59.3 %					30-150			

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:45	SR
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:45	SR



### Sample Information

**Client Sample ID:** DUP-20200114

**York Sample ID:** 20A0539-02

York Project (SDG) No.

Client Project ID

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January 14, 2020 12:00 am

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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:45	SR
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:45	SR
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:45	SR
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:45	SR
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/17/2020 13:28	01/20/2020 13:45	SR
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	01/17/2020 13:28	01/20/2020 13:45	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8 Surrogate: Tetrachloro-m-xylene 83.5 % 30-120

2051-24-3 Surrogate: Decachlorobiphenyl 101 % 30-120

**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.144		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7440-39-3	Barium	0.0817		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7440-70-2	Calcium	51.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7440-47-3	Chromium	0.290		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7440-48-4	Cobalt	0.00866		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7439-89-6	Iron	0.447		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7439-95-4	Magnesium	25.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7439-96-5	Manganese	0.222		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7440-02-0	Nickel	0.0239		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7440-09-7	Potassium	5.80	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM



### Sample Information

**Client Sample ID:** DUP-20200114

**York Sample ID:** 20A0539-02

<u>York Project (SDG) No.</u> 20A0539	<u>Client Project ID</u> IB19062	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 14, 2020 12:00 am	<u>Date Received</u> 01/15/2020
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**Metals, Target Analyte, ICP**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7440-23-5	Sodium	119		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:25	01/17/2020 18:08	JAM

**Metals, Target Analyte, ICP Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-39-3	Barium	0.0836		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-70-2	Calcium	54.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-47-3	Chromium	0.305		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-48-4	Cobalt	0.00826		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7439-95-4	Magnesium	27.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7439-96-5	Manganese	0.221		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-09-7	Potassium	6.24		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-22-4	Silver	0.00571		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-23-5	Sodium	124		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:05	01/28/2020 13:17	JAM



**Sample Information**

**Client Sample ID:** DUP-20200114

**York Sample ID:** 20A0539-02

York Project (SDG) No.

Client Project ID

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Water

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**Metals, Target Analyte, ICPMS**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/22/2020 13:52	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/22/2020 13:52	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/22/2020 13:52	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/22/2020 13:52	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/22/2020 13:52	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/17/2020 13:27	01/22/2020 13:52	BML

**Metals, Target Analyte, ICPMS Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:14	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:14	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:14	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:14	BML
7782-49-2	Selenium	ND	M-ISO	ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:14	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2020 12:04	01/28/2020 14:14	BML

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/16/2020 10:39	01/16/2020 13:39	SY

**Mercury by 7473, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2020 17:02	01/27/2020 19:22	MAO



### Sample Information

**Client Sample ID:** FB-20200114

**York Sample ID:** 20A0539-03

York Project (SDG) No.

Client Project ID

Matrix

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20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**Semi-Volatiles, 1,4-Dioxane by 8270-SIM**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	01/20/2020 08:30	01/20/2020 21:05	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %	50-130							

**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
72629-94-8	* Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT



### Sample Information

**Client Sample ID:** FB-20200114

**York Sample ID:** 20A0539-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20A0539

IB19062

Water

January 14, 2020 12:00 am

01/15/2020

**PFAS, NYSDEC Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.00	1	EPA 537m Certifications:	01/16/2020 11:19	01/17/2020 02:02	KT

**Surrogate Recoveries**

**Result**

**Acceptance Range**

Surrogate: M3PFBS	85.8 %	25-150
Surrogate: M5PFHxA	81.4 %	25-150
Surrogate: M4PFHpA	74.3 %	25-150
Surrogate: M3PFHxS	85.6 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	84.3 %	25-150
Surrogate: M6PFDA	80.7 %	25-150
Surrogate: M7PFUdA	77.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	58.5 %	25-150
Surrogate: M2PFTeDA	30.7 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	84.3 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	82.6 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	87.6 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	77.9 %	10-150
Surrogate: d3-N-MeFOSAA	77.6 %	25-150
Surrogate: d5-N-EtFOSAA	73.6 %	25-150
Surrogate: M2-6:2 FTS	198 %	25-150
Surrogate: M2-8:2 FTS	137 %	25-150
Surrogate: M9PFNA	77.8 %	25-150

PFSu-H





## Analytical Batch Summary

**Batch ID:** BA00688      **Preparation Method:** EPA 7473 water      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/16/20
20A0539-02	DUP-20200114	01/16/20
BA00688-BLK1	Blank	01/16/20
BA00688-DUP1	Duplicate	01/16/20
BA00688-MS1	Matrix Spike	01/16/20
BA00688-SRM1	Reference	01/16/20

**Batch ID:** BA00689      **Preparation Method:** SPE Ext-PFAS-EPA 537.1M      **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/16/20
20A0539-02	DUP-20200114	01/16/20
20A0539-03	FB-20200114	01/16/20
BA00689-BLK1	Blank	01/16/20
BA00689-BS1	LCS	01/16/20

**Batch ID:** BA00701      **Preparation Method:** EPA 5030B      **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/16/20
20A0539-01	MW-02 20200114	01/16/20
20A0539-02	DUP-20200114	01/16/20
20A0539-02	DUP-20200114	01/16/20
BA00701-BLK1	Blank	01/17/20
BA00701-BS1	LCS	01/17/20
BA00701-BSD1	LCS Dup	01/17/20

**Batch ID:** BA00750      **Preparation Method:** EPA 3510C      **Prepared By:** YG

YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/17/20
20A0539-01	MW-02 20200114	01/17/20
20A0539-02	DUP-20200114	01/17/20
20A0539-02	DUP-20200114	01/17/20
BA00750-BLK1	Blank	01/17/20
BA00750-BLK1	Blank	01/17/20
BA00750-BLK2	Blank	01/17/20
BA00750-BS1	LCS	01/17/20
BA00750-BS2	LCS	01/17/20
BA00750-BSD1	LCS Dup	01/17/20

**Batch ID:** BA00783      **Preparation Method:** EPA 3015A      **Prepared By:** SY



YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/17/20
20A0539-02	DUP-20200114	01/17/20
BA00783-BLK1	Blank	01/17/20
BA00783-BS1	LCS	01/17/20
BA00783-DUP1	Duplicate	01/17/20
BA00783-MS1	Matrix Spike	01/17/20
BA00783-PS1	Post Spike	01/17/20

**Batch ID:** BA00784      **Preparation Method:** EPA 3015A      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/17/20
20A0539-02	DUP-20200114	01/17/20
BA00784-BLK1	Blank	01/17/20
BA00784-BS1	LCS	01/17/20
BA00784-DUP1	Duplicate	01/17/20
BA00784-MS1	Matrix Spike	01/17/20

**Batch ID:** BA00785      **Preparation Method:** EPA SW846-3510C Low Level      **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/17/20
20A0539-01	MW-02 20200114	01/17/20
20A0539-02	DUP-20200114	01/17/20
20A0539-02	DUP-20200114	01/17/20
BA00785-BLK1	Blank	01/17/20
BA00785-BLK2	Blank	01/17/20
BA00785-BS1	LCS	01/17/20
BA00785-BS2	LCS	01/17/20
BA00785-BSD1	LCS Dup	01/17/20
BA00785-BSD2	LCS Dup	01/17/20

**Batch ID:** BA00819      **Preparation Method:** EPA 3535A      **Prepared By:** CTD

YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/20/20
20A0539-02	DUP-20200114	01/20/20
20A0539-03	FB-20200114	01/20/20
BA00819-BLK1	Blank	01/20/20
BA00819-BS1	LCS	01/20/20
BA00819-MS1	Matrix Spike	01/20/20
BA00819-MSD1	Matrix Spike Dup	01/20/20

**Batch ID:** BA01238      **Preparation Method:** EPA 7473 water      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/27/20
20A0539-02	DUP-20200114	01/27/20



BA01238-BLK1	Blank	01/27/20
BA01238-DUP1	Duplicate	01/27/20
BA01238-MS1	Matrix Spike	01/27/20
BA01238-SRM1	Reference	01/27/20

**Batch ID:** BA01272                      **Preparation Method:** EPA 3015A                      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/28/20
20A0539-02	DUP-20200114	01/28/20
BA01272-BLK1	Blank	01/28/20
BA01272-BS1	LCS	01/28/20
BA01272-DUP1	Duplicate	01/28/20
BA01272-MS1	Matrix Spike	01/28/20

**Batch ID:** BA01273                      **Preparation Method:** EPA 3015A                      **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20A0539-01	MW-02 20200114	01/28/20
20A0539-02	DUP-20200114	01/28/20
BA01273-BLK1	Blank	01/28/20
BA01273-BS1	LCS	01/28/20
BA01273-DUP1	Duplicate	01/28/20
BA01273-MS1	Matrix Spike	01/28/20
BA01273-PS1	Post Spike	01/28/20



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00701 - EPA 5030B**

**Blank (BA00701-BLK1)**

Prepared & Analyzed: 01/17/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
Tentatively Identified Compounds	0.0		"								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00701 - EPA 5030B**

**Blank (BA00701-BLK1)**

Prepared & Analyzed: 01/17/2020

Methylcyclohexane	ND	0.50	ug/L								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.89</i>		<i>"</i>	<i>10.0</i>		<i>98.9</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.82</i>		<i>"</i>	<i>10.0</i>		<i>98.2</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>79-122</i>				

**LCS (BA00701-BS1)**

Prepared & Analyzed: 01/17/2020

1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.5	82-126				
1,1,1-Trichloroethane	10		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	9.3		"	10.0		93.1	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		102	54-165				
1,1,2-Trichloroethane	8.9		"	10.0		89.0	82-123				
1,1-Dichloroethane	9.6		"	10.0		95.6	82-129				
1,1-Dichloroethylene	11		"	10.0		106	68-138				
1,2,3-Trichlorobenzene	8.2		"	10.0		82.4	76-136				
1,2,3-Trichloropropane	9.0		"	10.0		90.3	77-128				
1,2,4-Trichlorobenzene	9.1		"	10.0		91.1	76-137				
1,2,4-Trimethylbenzene	10		"	10.0		103	82-132				
1,2-Dibromo-3-chloropropane	7.6		"	10.0		75.6	45-147				
1,2-Dibromoethane	9.2		"	10.0		92.0	83-124				
1,2-Dichlorobenzene	9.6		"	10.0		95.5	79-123				
1,2-Dichloroethane	9.2		"	10.0		92.4	73-132				
1,2-Dichloropropane	9.3		"	10.0		93.2	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131				
1,3-Dichlorobenzene	9.7		"	10.0		97.4	86-122				
1,4-Dichlorobenzene	9.6		"	10.0		96.4	85-124				
1,4-Dioxane	280		"	210		133	10-349				
2-Butanone	7.4		"	10.0		74.4	49-152				
2-Hexanone	9.0		"	10.0		90.0	51-146				
4-Methyl-2-pentanone	8.7		"	10.0		87.1	57-145				
Acetone	7.9		"	10.0		79.3	14-150				
Acrolein	11		"	10.0		106	10-153				
Acrylonitrile	9.5		"	10.0		94.8	51-150				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA00701 - EPA 5030B

LCS (BA00701-BS1)

Prepared & Analyzed: 01/17/2020

Benzene	10		ug/L	10.0		99.8	85-126				
Bromochloromethane	9.9		"	10.0		99.1	77-128				
Bromodichloromethane	9.4		"	10.0		93.6	79-128				
Bromoform	8.7		"	10.0		86.6	78-133				
Bromomethane	2.4		"	10.0		24.0	43-168	Low Bias			
Carbon disulfide	10		"	10.0		102	68-146				
Carbon tetrachloride	10		"	10.0		103	77-141				
Chlorobenzene	9.7		"	10.0		96.9	88-120				
Chloroethane	9.9		"	10.0		99.1	65-136				
Chloroform	9.6		"	10.0		96.5	82-128				
Chloromethane	8.2		"	10.0		82.2	43-155				
cis-1,2-Dichloroethylene	9.9		"	10.0		98.6	83-129				
cis-1,3-Dichloropropylene	9.4		"	10.0		94.3	80-131				
Cyclohexane	4.4		"	10.0		44.1	63-149	Low Bias			
Dibromochloromethane	9.2		"	10.0		91.7	80-130				
Dibromomethane	9.0		"	10.0		90.5	72-134				
Dichlorodifluoromethane	8.7		"	10.0		86.8	44-144				
Ethyl Benzene	10		"	10.0		100	80-131				
Hexachlorobutadiene	9.6		"	10.0		96.4	67-146				
Isopropylbenzene	9.9		"	10.0		99.1	76-140				
Methyl acetate	8.6		"	10.0		85.6	51-139				
Methyl tert-butyl ether (MTBE)	9.0		"	10.0		90.5	76-135				
Methylcyclohexane	9.2		"	10.0		92.5	72-143				
Methylene chloride	11		"	10.0		110	55-137				
n-Butylbenzene	10		"	10.0		101	79-132				
n-Propylbenzene	10		"	10.0		99.9	78-133				
o-Xylene	9.8		"	10.0		97.9	78-130				
p- & m- Xylenes	20		"	20.0		99.7	77-133				
p-Isopropyltoluene	10		"	10.0		102	81-136				
sec-Butylbenzene	10		"	10.0		103	79-137				
Styrene	10		"	10.0		99.5	67-132				
tert-Butyl alcohol (TBA)	53		"	50.0		106	25-162				
tert-Butylbenzene	8.5		"	10.0		85.1	77-138				
Tetrachloroethylene	8.6		"	10.0		85.6	82-131				
Toluene	9.8		"	10.0		98.0	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.2		"	10.0		92.1	78-131				
Trichloroethylene	9.6		"	10.0		96.4	82-128				
Trichlorofluoromethane	10		"	10.0		105	67-139				
Vinyl Chloride	9.8		"	10.0		98.4	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.79		"	10.0		97.9	69-130				
Surrogate: SURR: Toluene-d8	9.88		"	10.0		98.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.3		"	10.0		103	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00701 - EPA 5030B</b>											
<b>LCS Dup (BA00701-BSD1)</b>											
Prepared & Analyzed: 01/17/2020											
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		97.3	82-126		0.205	30	
1,1,1-Trichloroethane	9.9		"	10.0		99.0	78-136		4.93	30	
1,1,2,2-Tetrachloroethane	9.6		"	10.0		96.1	76-129		3.17	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.7		"	10.0		97.1	54-165		4.82	30	
1,1,2-Trichloroethane	9.3		"	10.0		93.2	82-123		4.61	30	
1,1-Dichloroethane	9.4		"	10.0		93.7	82-129		2.01	30	
1,1-Dichloroethylene	10		"	10.0		100	68-138		5.44	30	
1,2,3-Trichlorobenzene	8.6		"	10.0		85.9	76-136		4.16	30	
1,2,3-Trichloropropane	9.4		"	10.0		94.0	77-128		4.02	30	
1,2,4-Trichlorobenzene	9.2		"	10.0		92.2	76-137		1.20	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		2.06	30	
1,2-Dibromo-3-chloropropane	8.8		"	10.0		88.4	45-147		15.6	30	
1,2-Dibromoethane	9.5		"	10.0		94.8	83-124		3.00	30	
1,2-Dichlorobenzene	9.6		"	10.0		95.9	79-123		0.418	30	
1,2-Dichloroethane	9.4		"	10.0		93.5	73-132		1.18	30	
1,2-Dichloropropane	9.3		"	10.0		93.2	78-126		0.00	30	
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131		0.391	30	
1,3-Dichlorobenzene	9.5		"	10.0		95.2	86-122		2.28	30	
1,4-Dichlorobenzene	9.5		"	10.0		95.2	85-124		1.25	30	
1,4-Dioxane	300		"	210		143	10-349		7.20	30	
2-Butanone	9.5		"	10.0		95.4	49-152		24.7	30	
2-Hexanone	9.7		"	10.0		97.0	51-146		7.49	30	
4-Methyl-2-pentanone	9.3		"	10.0		93.0	57-145		6.55	30	
Acetone	8.2		"	10.0		81.6	14-150		2.86	30	
Acrolein	11		"	10.0		108	10-153		1.59	30	
Acrylonitrile	9.8		"	10.0		98.1	51-150		3.42	30	
Benzene	9.7		"	10.0		96.9	85-126		2.95	30	
Bromochloromethane	9.8		"	10.0		98.1	77-128		1.01	30	
Bromodichloromethane	9.4		"	10.0		93.9	79-128		0.320	30	
Bromoform	9.1		"	10.0		91.0	78-133		4.95	30	
Bromomethane	2.6		"	10.0		25.5	43-168	Low Bias	6.06	30	
Carbon disulfide	9.6		"	10.0		96.3	68-146		5.85	30	
Carbon tetrachloride	9.8		"	10.0		98.5	77-141		4.47	30	
Chlorobenzene	9.6		"	10.0		96.1	88-120		0.829	30	
Chloroethane	9.4		"	10.0		94.5	65-136		4.75	30	
Chloroform	9.5		"	10.0		94.7	82-128		1.88	30	
Chloromethane	7.8		"	10.0		77.6	43-155		5.76	30	
cis-1,2-Dichloroethylene	9.6		"	10.0		96.2	83-129		2.46	30	
cis-1,3-Dichloropropylene	9.5		"	10.0		95.4	80-131		1.16	30	
Cyclohexane	4.2		"	10.0		42.0	63-149	Low Bias	4.88	30	
Dibromochloromethane	9.4		"	10.0		94.5	80-130		3.01	30	
Dibromomethane	9.4		"	10.0		93.8	72-134		3.58	30	
Dichlorodifluoromethane	8.2		"	10.0		81.7	44-144		6.05	30	
Ethyl Benzene	10		"	10.0		99.9	80-131		0.300	30	
Hexachlorobutadiene	9.3		"	10.0		93.4	67-146		3.16	30	
Isopropylbenzene	9.8		"	10.0		98.5	76-140		0.607	30	
Methyl acetate	9.0		"	10.0		89.9	51-139		4.90	30	
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		92.8	76-135		2.51	30	
Methylcyclohexane	9.1		"	10.0		90.6	72-143		2.08	30	
Methylene chloride	11		"	10.0		107	55-137		2.21	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit

**Batch BA00701 - EPA 5030B**

**LCS Dup (BA00701-BSD1)**

Prepared & Analyzed: 01/17/2020

n-Butylbenzene	10		ug/L	10.0		102	79-132		0.492	30
n-Propylbenzene	9.9		"	10.0		99.2	78-133		0.703	30
o-Xylene	9.8		"	10.0		97.7	78-130		0.205	30
p- & m- Xylenes	20		"	20.0		99.6	77-133		0.151	30
p-Isopropyltoluene	10		"	10.0		102	81-136		0.0977	30
sec-Butylbenzene	10		"	10.0		104	79-137		1.35	30
Styrene	10		"	10.0		99.9	67-132		0.401	30
tert-Butyl alcohol (TBA)	57		"	50.0		114	25-162		7.22	30
tert-Butylbenzene	8.5		"	10.0		84.8	77-138		0.353	30
Tetrachloroethylene	8.5		"	10.0		85.4	82-131		0.234	30
Toluene	9.7		"	10.0		96.7	80-127		1.34	30
trans-1,2-Dichloroethylene	9.9		"	10.0		99.2	80-132		6.53	30
trans-1,3-Dichloropropylene	9.4		"	10.0		94.3	78-131		2.36	30
Trichloroethylene	9.4		"	10.0		94.2	82-128		2.31	30
Trichlorofluoromethane	9.9		"	10.0		98.8	67-139		5.80	30
Vinyl Chloride	9.2		"	10.0		92.1	58-145		6.61	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>	<i>69-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.98</i>		<i>"</i>	<i>10.0</i>		<i>99.8</i>	<i>81-117</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>79-122</i>			





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA00750 - EPA 3510C

Blank (BA00750-BLK1)

Prepared & Analyzed: 01/17/2020

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								RPD	

**Batch BA00750 - EPA 3510C**

**Blank (BA00750-BLK1)**

Prepared & Analyzed: 01/17/2020

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>18.1</i>		<i>"</i>	<i>50.0</i>		<i>36.2</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>11.0</i>		<i>"</i>	<i>50.0</i>		<i>22.0</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>21.4</i>		<i>"</i>	<i>25.0</i>		<i>85.6</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>18.6</i>		<i>"</i>	<i>25.0</i>		<i>74.4</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>44.1</i>		<i>"</i>	<i>50.0</i>		<i>88.2</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>20.7</i>		<i>"</i>	<i>25.0</i>		<i>83.0</i>	<i>30.7-106</i>				

**Blank (BA00750-BLK2)**

Prepared: 01/17/2020 Analyzed: 01/19/2020

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result	%REC			RPD		
<b>Batch BA00750 - EPA 3510C</b>											
<b>LCS (BA00750-BS1)</b>											
Prepared & Analyzed: 01/17/2020											
1,1-Biphenyl	17.1	5.00	ug/L	25.0		68.4	33-95				
1,2,4,5-Tetrachlorobenzene	18.1	5.00	"	25.2		71.6	26-120				
1,2,4-Trichlorobenzene	16.1	5.00	"	25.0		64.3	20-118				
1,2-Dichlorobenzene	15.1	5.00	"	25.0		60.6	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	17.2	5.00	"	25.0		68.8	16-141				
1,3-Dichlorobenzene	14.4	5.00	"	25.0		57.6	23-117				
1,4-Dichlorobenzene	13.6	5.00	"	25.0		54.6	30-105				
2,3,4,6-Tetrachlorophenol	16.7	5.00	"	25.0		67.0	30-130				
2,4,5-Trichlorophenol	15.9	5.00	"	25.0		63.7	32-114				
2,4,6-Trichlorophenol	16.9	5.00	"	25.0		67.7	35-118				
2,4-Dichlorophenol	18.6	5.00	"	25.0		74.5	25-116				
2,4-Dimethylphenol	15.9	5.00	"	25.0		63.6	15-116				
2,4-Dinitrophenol	12.9	5.00	"	25.0		51.7	10-170				
2,4-Dinitrotoluene	17.7	5.00	"	25.0		70.8	41-128				
2,6-Dinitrotoluene	17.3	5.00	"	25.0		69.0	45-116				
2-Chloronaphthalene	16.2	5.00	"	25.0		64.8	33-112				
2-Chlorophenol	15.5	5.00	"	25.0		62.1	15-120				
2-Methylnaphthalene	19.2	5.00	"	25.0		76.7	24-118				
2-Methylphenol	12.4	5.00	"	25.0		49.4	10-110				
2-Nitroaniline	17.9	5.00	"	25.0		71.6	34-129				
2-Nitrophenol	17.3	5.00	"	25.0		69.1	28-118				
3- & 4-Methylphenols	9.56	5.00	"	25.0		38.2	10-107				
3,3-Dichlorobenzidine	15.2	5.00	"	25.0		60.6	15-187				
3-Nitroaniline	13.4	5.00	"	25.0		53.7	24-134				
4,6-Dinitro-2-methylphenol	17.0	5.00	"	25.0		68.2	10-153				
4-Bromophenyl phenyl ether	19.5	5.00	"	25.0		78.2	34-120				
4-Chloro-3-methylphenol	17.7	5.00	"	25.0		70.6	20-120				
4-Chloroaniline	11.6	5.00	"	25.0		46.2	10-147				
4-Chlorophenyl phenyl ether	17.4	5.00	"	25.0		69.6	27-121				
4-Nitroaniline	16.5	5.00	"	25.0		66.1	13-134				
4-Nitrophenol	6.69	5.00	"	25.0		26.8	10-131				
Acetophenone	17.4	5.00	"	25.0		69.7	25-110				
Aniline	12.0	5.00	"	25.0		48.0	10-117				
Benzaldehyde	21.5	5.00	"	25.0		85.8	29-117				
Benzoic acid	2.53	5.00	"	25.0		10.1	30-130	Low Bias			
Benzyl alcohol	16.0	5.00	"	25.0		64.1	10-117				
Benzyl butyl phthalate	15.7	5.00	"	25.0		62.9	29-133				
Bis(2-chloroethoxy)methane	18.8	5.00	"	25.0		75.0	10-154				
Bis(2-chloroethyl)ether	17.4	5.00	"	25.0		69.6	17-125				
Bis(2-chloroisopropyl)ether	21.0	5.00	"	25.0		83.9	10-139				
Caprolactam	4.62	5.00	"	25.0		18.5	10-137				
Carbazole	16.6	5.00	"	25.0		66.3	42-126				
Dibenzofuran	17.7	5.00	"	25.0		70.7	36-113				
Diethyl phthalate	16.4	5.00	"	25.0		65.7	38-115				
Dimethyl phthalate	16.8	5.00	"	25.0		67.1	38-129				
Di-n-butyl phthalate	16.4	5.00	"	25.0		65.7	31-120				
Di-n-octyl phthalate	16.5	5.00	"	25.0		66.1	21-149				
Hexachlorocyclopentadiene	11.0	10.0	"	25.0		43.8	10-130				
Isophorone	18.7	5.00	"	25.0		74.6	25-127				
N-nitroso-di-n-propylamine	19.0	5.00	"	25.0		76.2	26-122				
N-Nitrosodiphenylamine	20.6	5.00	"	25.0		82.5	23-149				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA00750 - EPA 3510C

LCS (BA00750-BS1)

Prepared & Analyzed: 01/17/2020

Phenol	5.88	5.00	ug/L	25.0		23.5	10-110				
Surrogate: SURR: 2-Fluorophenol	17.6		"	50.0		35.1	19.7-63.1				
Surrogate: SURR: Phenol-d5	10.3		"	50.0		20.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.6		"	25.0		74.4	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.8		"	25.0		67.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	41.7		"	50.0		83.4	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.0		"	25.0		76.0	30.7-106				

LCS (BA00750-BS2)

Prepared: 01/17/2020 Analyzed: 01/19/2020

Acenaphthene	1.00	0.0500	ug/L	1.00		100	25-116				
Acenaphthylene	1.00	0.0500	"	1.00		100	26-116				
Anthracene	1.06	0.0500	"	1.00		106	25-123				
Benzo(a)anthracene	1.17	0.0500	"	1.00		117	33-125				
Benzo(a)pyrene	1.14	0.0500	"	1.00		114	32-132				
Benzo(b)fluoranthene	1.35	0.0500	"	1.00		135	22-137				
Benzo(g,h,i)perylene	1.34	0.0500	"	1.00		134	10-138				
Benzo(k)fluoranthene	1.24	0.0500	"	1.00		124	20-137				
Bis(2-ethylhexyl)phthalate	1.23	0.500	"	1.00		123	10-189				
Chrysene	1.16	0.0500	"	1.00		116	32-124				
Dibenzo(a,h)anthracene	1.40	0.0500	"	1.00		140	16-133	High Bias			
Fluoranthene	1.18	0.0500	"	1.00		118	32-121				
Fluorene	1.07	0.0500	"	1.00		107	28-118				
Hexachlorobenzene	0.880	0.0200	"	1.00		88.0	23-124				
Hexachlorobutadiene	0.740	0.500	"	1.00		74.0	15-123				
Hexachloroethane	0.660	0.500	"	1.00		66.0	18-115				
Indeno(1,2,3-cd)pyrene	1.33	0.0500	"	1.00		133	15-135				
Naphthalene	1.02	0.0500	"	1.00		102	18-120				
Nitrobenzene	0.600	0.250	"	1.00		60.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	1.62	0.250	"	1.00		162	10-156	High Bias			
Phenanthrene	1.11	0.0500	"	1.00		111	24-127				
Pyrene	1.20	0.0500	"	1.00		120	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00750 - EPA 3510C</b>											
<b>LCS Dup (BA00750-BSD1)</b>											
Prepared & Analyzed: 01/17/2020											
1,1-Biphenyl	15.8	5.00	ug/L	25.0		63.3	33-95		7.71	20	
1,2,4,5-Tetrachlorobenzene	18.0	5.00	"	25.2		71.3	26-120		0.388	20	
1,2,4-Trichlorobenzene	17.3	5.00	"	25.0		69.3	20-118		7.48	20	
1,2-Dichlorobenzene	14.7	5.00	"	25.0		58.9	29-111		2.81	20	
1,2-Diphenylhydrazine (as Azobenzene)	16.9	5.00	"	25.0		67.5	16-141		1.94	20	
1,3-Dichlorobenzene	13.6	5.00	"	25.0		54.4	23-117		5.86	20	
1,4-Dichlorobenzene	14.3	5.00	"	25.0		57.2	30-105		4.72	20	
2,3,4,6-Tetrachlorophenol	15.7	5.00	"	25.0		63.0	30-130		6.16	20	
2,4,5-Trichlorophenol	15.8	5.00	"	25.0		63.1	32-114		0.947	20	
2,4,6-Trichlorophenol	16.6	5.00	"	25.0		66.4	35-118		1.91	20	
2,4-Dichlorophenol	18.4	5.00	"	25.0		73.6	25-116		1.13	20	
2,4-Dimethylphenol	16.1	5.00	"	25.0		64.4	15-116		1.25	20	
2,4-Dinitrophenol	11.7	5.00	"	25.0		47.0	10-170		9.57	20	
2,4-Dinitrotoluene	16.0	5.00	"	25.0		64.2	41-128		9.78	20	
2,6-Dinitrotoluene	16.4	5.00	"	25.0		65.4	45-116		5.35	20	
2-Chloronaphthalene	15.6	5.00	"	25.0		62.5	33-112		3.52	20	
2-Chlorophenol	15.2	5.00	"	25.0		60.9	15-120		1.89	20	
2-Methylnaphthalene	18.4	5.00	"	25.0		73.4	24-118		4.32	20	
2-Methylphenol	11.5	5.00	"	25.0		45.8	10-110		7.48	20	
2-Nitroaniline	18.4	5.00	"	25.0		73.4	34-129		2.54	20	
2-Nitrophenol	17.4	5.00	"	25.0		69.6	28-118		0.807	20	
3- & 4-Methylphenols	9.61	5.00	"	25.0		38.4	10-107		0.522	20	
3,3-Dichlorobenzidine	15.6	5.00	"	25.0		62.6	15-187		3.25	20	
3-Nitroaniline	13.4	5.00	"	25.0		53.6	24-134		0.298	20	
4,6-Dinitro-2-methylphenol	19.0	5.00	"	25.0		76.0	10-153		10.8	20	
4-Bromophenyl phenyl ether	18.8	5.00	"	25.0		75.4	34-120		3.65	20	
4-Chloro-3-methylphenol	17.5	5.00	"	25.0		70.2	20-120		0.682	20	
4-Chloroaniline	11.2	5.00	"	25.0		44.8	10-147		3.25	20	
4-Chlorophenyl phenyl ether	17.2	5.00	"	25.0		69.0	27-121		0.924	20	
4-Nitroaniline	16.6	5.00	"	25.0		66.4	13-134		0.483	20	
4-Nitrophenol	6.82	5.00	"	25.0		27.3	10-131		1.92	20	
Acetophenone	15.6	5.00	"	25.0		62.5	25-110		10.8	20	
Aniline	9.71	5.00	"	25.0		38.8	10-117		21.0	20	Non-dir.
Benzaldehyde	19.8	5.00	"	25.0		79.3	29-117		7.90	20	
Benzoic acid	2.60	5.00	"	25.0		10.4	30-130	Low Bias	2.73	20	
Benzyl alcohol	12.9	5.00	"	25.0		51.7	10-117		21.4	20	Non-dir.
Benzyl butyl phthalate	15.7	5.00	"	25.0		63.0	29-133		0.127	20	
Bis(2-chloroethoxy)methane	18.3	5.00	"	25.0		73.3	10-154		2.32	20	
Bis(2-chloroethyl)ether	16.9	5.00	"	25.0		67.6	17-125		2.86	20	
Bis(2-chloroisopropyl)ether	19.8	5.00	"	25.0		79.1	10-139		5.94	20	
Caprolactam	3.79	5.00	"	25.0		15.2	10-137		19.7	20	
Carbazole	17.2	5.00	"	25.0		68.7	42-126		3.61	20	
Dibenzofuran	17.1	5.00	"	25.0		68.4	36-113		3.28	20	
Diethyl phthalate	16.9	5.00	"	25.0		67.7	38-115		3.00	20	
Dimethyl phthalate	16.6	5.00	"	25.0		66.6	38-129		0.838	20	
Di-n-butyl phthalate	16.6	5.00	"	25.0		66.2	31-120		0.789	20	
Di-n-octyl phthalate	16.8	5.00	"	25.0		67.2	21-149		1.56	20	
Hexachlorocyclopentadiene	10.4	10.0	"	25.0		41.7	10-130		4.86	20	
Isophorone	18.4	5.00	"	25.0		73.5	25-127		1.51	20	
N-nitroso-di-n-propylamine	17.7	5.00	"	25.0		70.6	26-122		7.57	20	
N-Nitrosodiphenylamine	19.4	5.00	"	25.0		77.7	23-149		5.99	20	



**Semivolatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00750 - EPA 3510C**

**LCS Dup (BA00750-BSD1)**

Prepared & Analyzed: 01/17/2020

Phenol	5.84	5.00	ug/L	25.0		23.4	10-110		0.683	20	
Surrogate: SURR: 2-Fluorophenol	17.1		"	50.0		34.2	19.7-63.1				
Surrogate: SURR: Phenol-d5	10.8		"	50.0		21.5	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.6		"	25.0		74.5	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.2		"	25.0		68.7	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	41.8		"	50.0		83.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.0		"	25.0		76.0	30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00819 - EPA 3535A</b>											
<b>Blank (BA00819-BLK1)</b>											Prepared & Analyzed: 01/20/2020
1,4-Dioxane	ND	0.200	ug/L								
<i>Surrogate: 1,4-Dioxane-d8</i>	3.60		"	5.00		72.0	50-130				
<b>LCS (BA00819-BS1)</b>											Prepared & Analyzed: 01/20/2020
1,4-Dioxane	4.16	0.200	ug/L	5.00		83.2	50-130				
<i>Surrogate: 1,4-Dioxane-d8</i>	3.60		"	5.00		72.0	50-130				
<b>Matrix Spike (BA00819-MS1)</b>											*Source sample: 20A0539-01 (MW-02 20200114) Prepared & Analyzed: 01/20/2020
1,4-Dioxane	5.00	0.200	ug/L	5.00	ND	100	50-130				
<i>Surrogate: 1,4-Dioxane-d8</i>	3.60		"	5.00		72.0	50-130				
<b>Matrix Spike Dup (BA00819-MSD1)</b>											*Source sample: 20A0539-01 (MW-02 20200114) Prepared & Analyzed: 01/20/2020
1,4-Dioxane	5.00	0.200	ug/L	5.00	ND	100	50-130		0.00	30	
<i>Surrogate: 1,4-Dioxane-d8</i>	3.60		"	5.00		72.0	50-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA00689 - SPE Ext-PFAS-EPA 537.1M

Blank (BA00689-BLK1)

Prepared & Analyzed: 01/16/2020

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	57.2		"	74.3		76.9	25-150				
Surrogate: M5PFHxA	59.7		"	80.0		74.6	25-150				
Surrogate: M4PFHpA	52.3		"	80.0		65.4	25-150				
Surrogate: M3PFHxS	55.4		"	75.7		73.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	56.0		"	80.0		70.0	25-150				
Surrogate: M6PFDA	56.2		"	80.0		70.3	25-150				
Surrogate: M7PFUdA	47.9		"	80.0		59.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	40.9		"	80.0		51.1	25-150				
Surrogate: M2PFTeDA	25.9		"	80.0		32.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	59.1		"	80.0		73.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	54.4		"	76.6		71.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	60.4		"	80.0		75.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	53.7		"	80.0		67.2	10-150				
Surrogate: d3-N-MeFOSAA	51.8		"	80.0		64.8	25-150				
Surrogate: d5-N-EtFOSAA	51.7		"	80.0		64.7	25-150				
Surrogate: M2-6:2 FTS	125		"	75.9		164	25-150				
Surrogate: M2-8:2 FTS	86.9		"	76.6		113	25-150				
Surrogate: M9PFNA	52.7		"	80.0		65.9	25-150				





PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA00689 - SPE Ext-PFAS-EPA 537.1M

LCS (BA00689-BS1)

Prepared & Analyzed: 01/16/2020

Perfluorobutanesulfonic acid (PFBS)	70.2	2.00	ng/L	70.8		99.1	50-130				
Perfluorohexanoic acid (PFHxA)	74.0	2.00	"	80.0		92.5	50-130				
Perfluoroheptanoic acid (PFHpA)	76.9	2.00	"	80.0		96.2	50-130				
Perfluorohexanesulfonic acid (PFHxS)	56.5	2.00	"	59.2		95.4	50-130				
Perfluorooctanoic acid (PFOA)	75.2	2.00	"	80.0		94.0	50-130				
Perfluorooctanesulfonic acid (PFOS)	54.2	2.00	"	58.4		92.8	50-130				
Perfluorononanoic acid (PFNA)	70.0	2.00	"	76.8		91.2	50-130				
Perfluorodecanoic acid (PFDA)	84.6	2.00	"	80.0		106	50-130				
Perfluoroundecanoic acid (PFUnA)	75.1	2.00	"	80.0		93.8	50-130				
Perfluorododecanoic acid (PFDoA)	67.4	2.00	"	80.0		84.2	50-130				
Perfluorotridecanoic acid (PFTriDA)	51.5	2.00	"	80.0		64.4	50-130				
Perfluorotetradecanoic acid (PFTA)	81.5	2.00	"	80.0		102	50-130				
N-MeFOSAA	77.4	2.00	"	80.0		96.7	50-130				
N-EtFOSAA	75.2	2.00	"	80.0		94.0	50-130				
Perfluoropentanoic acid (PFPeA)	74.8	2.00	"	80.0		93.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	74.2	2.00	"	80.0		92.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	82.5	2.00	"	79.6		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	66.5	2.00	"	77.2		86.1	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	69.9	5.00	"	76.0		92.0	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	75.7	2.00	"	76.8		98.5	50-130				
Perfluoro-n-butanoic acid (PFBA)	74.1	2.00	"	80.0		92.6	50-130				
Surrogate: M3PFBS	59.0		"	74.3		79.3	25-150				
Surrogate: M5PFHxA	62.4		"	80.0		78.0	25-150				
Surrogate: M4PFHpA	58.0		"	80.0		72.4	25-150				
Surrogate: M3PFHxS	58.1		"	75.7		76.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	58.2		"	80.0		72.8	25-150				
Surrogate: M6PFDA	53.1		"	80.0		66.4	25-150				
Surrogate: M7PFUdA	55.4		"	80.0		69.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	53.5		"	80.0		66.9	25-150				
Surrogate: M2PFTeDA	33.2		"	80.0		41.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	62.2		"	80.0		77.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	55.8		"	76.6		72.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	62.4		"	80.0		78.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	55.2		"	80.0		69.0	10-150				
Surrogate: d3-N-MeFOSAA	55.6		"	80.0		69.5	25-150				
Surrogate: d5-N-EtFOSAA	53.2		"	80.0		66.5	25-150				
Surrogate: M2-6:2 FTS	128		"	75.9		169	25-150				
Surrogate: M2-8:2 FTS	75.0		"	76.6		97.9	25-150				
Surrogate: M9PFNA	58.0		"	80.0		72.5	25-150				



Semivolatile Organic Compounds by GC/MS TIC - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00750 - EPA 3510C</b>											
<b>Blank (BA00750-BLK1)</b>											
Prepared & Analyzed: 01/17/2020											
toluene isomer	112		ug/L								



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00785 - EPA SW846-3510C Low Level**

**Blank (BA00785-BLK1)**

Prepared: 01/17/2020 Analyzed: 01/19/2020

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								

Surrogate: Decachlorobiphenyl

0.178

"

0.200

89.0

30-150

Surrogate: Tetrachloro-m-xylene

0.165

"

0.200

82.7

30-150

**LCS (BA00785-BS1)**

Prepared: 01/17/2020 Analyzed: 01/19/2020

4,4'-DDD	0.109	0.00400	ug/L	0.100		109	40-140				
4,4'-DDE	0.120	0.00400	"	0.100		120	40-140				
4,4'-DDT	0.130	0.00400	"	0.100		130	40-140				
Aldrin	0.0900	0.00400	"	0.100		90.0	40-140				
alpha-BHC	0.0888	0.00400	"	0.100		88.8	40-140				
alpha-Chlordane	0.0860	0.00400	"	0.100		86.0	40-140				
beta-BHC	0.112	0.00400	"	0.100		112	40-140				
delta-BHC	0.128	0.00400	"	0.100		128	40-140				
Dieldrin	0.113	0.00200	"	0.100		113	40-140				
Endosulfan I	0.0902	0.00400	"	0.100		90.2	40-140				
Endosulfan II	0.105	0.00400	"	0.100		105	40-140				
Endosulfan sulfate	0.112	0.00400	"	0.100		112	40-140				
Endrin	0.121	0.00400	"	0.100		121	40-140				
Endrin aldehyde	0.102	0.0100	"	0.100		102	40-140				
Endrin ketone	0.112	0.0100	"	0.100		112	40-140				
gamma-BHC (Lindane)	0.0939	0.00400	"	0.100		93.9	40-140				
gamma-Chlordane	0.0826	0.0100	"	0.100		82.6	40-140				
Heptachlor	0.0963	0.00400	"	0.100		96.3	40-140				
Heptachlor epoxide	0.108	0.00400	"	0.100		108	40-140				
Methoxychlor	0.107	0.00400	"	0.100		107	40-140				

Surrogate: Decachlorobiphenyl

0.161

"

0.200

80.4

30-150

Surrogate: Tetrachloro-m-xylene

0.141

"

0.200

70.4

30-150



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00785 - EPA SW846-3510C Low Level**

**LCS Dup (BA00785-BSD1)**

Prepared: 01/17/2020 Analyzed: 01/19/2020

4,4'-DDD	0.0974	0.00400	ug/L	0.100		97.4	40-140		10.9	20	
4,4'-DDE	0.0888	0.00400	"	0.100		88.8	40-140		29.7	20	Non-dir.
4,4'-DDT	0.108	0.00400	"	0.100		108	40-140		18.8	20	
Aldrin	0.0736	0.00400	"	0.100		73.6	40-140		20.0	20	
alpha-BHC	0.0771	0.00400	"	0.100		77.1	40-140		14.1	20	
alpha-Chlordane	0.0775	0.00400	"	0.100		77.5	40-140		10.3	20	
beta-BHC	0.0913	0.00400	"	0.100		91.3	40-140		20.7	20	Non-dir.
delta-BHC	0.102	0.00400	"	0.100		102	40-140		22.5	20	Non-dir.
Dieldrin	0.104	0.00200	"	0.100		104	40-140		8.77	20	
Endosulfan I	0.100	0.00400	"	0.100		100	40-140		10.6	20	
Endosulfan II	0.0951	0.00400	"	0.100		95.1	40-140		9.93	20	
Endosulfan sulfate	0.0971	0.00400	"	0.100		97.1	40-140		14.0	20	
Endrin	0.100	0.00400	"	0.100		100	40-140		18.3	20	
Endrin aldehyde	0.0894	0.0100	"	0.100		89.4	40-140		12.9	20	
Endrin ketone	0.101	0.0100	"	0.100		101	40-140		10.9	20	
gamma-BHC (Lindane)	0.0826	0.00400	"	0.100		82.6	40-140		12.9	20	
gamma-Chlordane	0.0828	0.0100	"	0.100		82.8	40-140		0.278	20	
Heptachlor	0.0814	0.00400	"	0.100		81.4	40-140		16.8	20	
Heptachlor epoxide	0.0888	0.00400	"	0.100		88.8	40-140		19.7	20	
Methoxychlor	0.0939	0.00400	"	0.100		93.9	40-140		12.7	20	
Surrogate: Decachlorobiphenyl	0.153		"	0.200		76.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.128		"	0.200		64.2	30-150				

**Batch Y0A2001 - BA00785**

**Performance Mix (Y0A2001-PEM1)**

Prepared & Analyzed: 01/19/2020

4,4'-DDD	16.4		ng/mL	0.00			0-200				
4,4'-DDE	5.98		"	0.00			0-200				
4,4'-DDT	265		"	200		133	0-200				
Endrin	114		"	100		114	0-200				
Endrin aldehyde	3.63		"	0.00			0-200				
Endrin ketone	10.1		"	0.00			0-200				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	Limits		Limit			

**Batch Y9L2426 - BL90379**

**Performance Mix (Y9L2426-PEM1)**

Prepared & Analyzed: 12/16/2019

4,4'-DDD	25.9		ng/mL	0.00				0-200			
4,4'-DDE	2.27		"	0.00				0-200			
4,4'-DDT	368		"	200		184		0-200			
Endrin	169		"	100		169		0-200			
Endrin aldehyde	2.42		"	0.00				0-200			
Endrin ketone	9.93		"	0.00				0-200			



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit			Result	Limits	RPD		Limit		
<b>Batch BA00785 - EPA SW846-3510C Low Level</b>											
<b>Blank (BA00785-BLK2)</b>											
										Prepared: 01/17/2020 Analyzed: 01/20/2020	
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.186</i>		<i>"</i>	<i>0.200</i>		<i>93.0</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.241</i>		<i>"</i>	<i>0.200</i>		<i>120</i>	<i>30-120</i>				
<b>LCS (BA00785-BS2)</b>											
										Prepared: 01/17/2020 Analyzed: 01/20/2020	
Aroclor 1016	1.01	0.0500	ug/L	1.00		101	40-120				
Aroclor 1260	1.04	0.0500	"	1.00		104	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.162</i>		<i>"</i>	<i>0.200</i>		<i>81.0</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.199</i>		<i>"</i>	<i>0.200</i>		<i>99.5</i>	<i>30-120</i>				
<b>LCS Dup (BA00785-BSD2)</b>											
										Prepared: 01/17/2020 Analyzed: 01/20/2020	
Aroclor 1016	0.891	0.0500	ug/L	1.00		89.1	40-120	12.3	30		
Aroclor 1260	0.968	0.0500	"	1.00		96.8	40-120	7.42	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.147</i>		<i>"</i>	<i>0.200</i>		<i>73.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.187</i>		<i>"</i>	<i>0.200</i>		<i>93.5</i>	<i>30-120</i>				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								RPD	

**Batch BA00783 - EPA 3015A**

**Blank (BA00783-BLK1)**

Prepared & Analyzed: 01/17/2020

Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.135	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

**LCS (BA00783-BS1)**

Prepared & Analyzed: 01/17/2020

Aluminum	1.95		ug/mL	2.00		97.6	80-120				
Barium	1.90		"	2.00		94.9	80-120				
Calcium	0.942		"	1.00		94.2	80-120				
Chromium	0.186		"	0.200		92.9	80-120				
Cobalt	0.471		"	0.500		94.3	80-120				
Copper	0.249		"	0.250		99.7	80-120				
Iron	0.960		"	1.00		96.0	80-120				
Lead	0.448		"	0.500		89.7	80-120				
Magnesium	0.971		"	1.00		97.1	80-120				
Manganese	0.472		"	0.500		94.4	80-120				
Nickel	0.493		"	0.500		98.6	80-120				
Potassium	0.992		"	1.00		99.2	80-120				
Silver	0.0441		"	0.0500		88.3	80-120				
Sodium	0.965		"	1.00		96.5	80-120				
Vanadium	0.459		"	0.500		91.7	80-120				
Zinc	0.449		"	0.500		89.9	80-120				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BA00783 - EPA 3015A**

<b>Duplicate (BA00783-DUP1)</b>	*Source sample: 20A0539-01 (MW-02 20200114)					Prepared & Analyzed: 01/17/2020					
Aluminum	0.386	0.0556	mg/L		0.315				20.3	20	Non-dir.
Barium	0.0823	0.0278	"		0.0838				1.81	20	
Calcium	50.1	0.0556	"		51.1				1.97	20	
Chromium	0.287	0.00556	"		0.292				1.81	20	
Cobalt	0.00892	0.00444	"		0.00912				2.25	20	
Copper	ND	0.0222	"		ND					20	
Iron	0.824	0.278	"		0.788				4.52	20	
Lead	ND	0.00556	"		ND					20	
Magnesium	24.7	0.0556	"		25.3				2.16	20	
Manganese	0.225	0.00556	"		0.229				1.83	20	
Nickel	0.0248	0.0111	"		0.0267				7.44	20	
Potassium	5.52	0.0556	"		5.54				0.443	20	
Silver	ND	0.00556	"		ND					20	
Sodium	114	0.556	"		116				1.99	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		ND					20	

<b>Matrix Spike (BA00783-MS1)</b>	*Source sample: 20A0539-01 (MW-02 20200114)					Prepared & Analyzed: 01/17/2020					
Aluminum	2.41	0.0556	mg/L	2.22	0.315	94.4	75-125				
Barium	2.17	0.0278	"	2.22	0.0838	93.8	75-125				
Calcium	51.3	0.0556	"	1.11	51.1	14.0	75-125	Low Bias			
Chromium	0.498	0.00556	"	0.222	0.292	92.5	75-125				
Cobalt	0.526	0.00444	"	0.556	0.00912	93.0	75-125				
Copper	0.284	0.0222	"	0.278	ND	102	75-125				
Iron	1.84	0.278	"	1.11	0.788	95.1	75-125				
Lead	0.484	0.00556	"	0.556	ND	87.1	75-125				
Magnesium	25.9	0.0556	"	1.11	25.3	54.4	75-125	Low Bias			
Manganese	0.755	0.00556	"	0.556	0.229	94.7	75-125				
Nickel	0.568	0.0111	"	0.556	0.0267	97.4	75-125				
Potassium	6.48	0.0556	"	1.11	5.54	84.8	75-125				
Silver	0.0529	0.00556	"	0.0556	ND	95.2	75-125				
Sodium	116	0.556	"	1.11	116	9.72	75-125	Low Bias			
Vanadium	0.519	0.0111	"	0.556	ND	93.5	75-125				
Zinc	0.512	0.0278	"	0.556	ND	92.1	75-125				





**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	%REC			Limit			

**Batch BA00783 - EPA 3015A**

<b>Post Spike (BA00783-PS1)</b>	<b>*Source sample: 20A0539-01 (MW-02 20200114)</b>				<b>Prepared &amp; Analyzed: 01/17/2020</b>			
Aluminum	2.30		ug/mL	2.00	1.42	44.1	75-125	Low Bias
Barium	2.04		"	2.00	0.377	83.4	75-125	
Calcium	46.6		"	1.00	230	NR	75-125	Low Bias
Chromium	0.460		"	0.200	1.31	NR	75-125	Low Bias
Cobalt	0.494		"	0.500	0.0410	90.7	75-125	
Copper	0.266		"	0.250	0.0329	93.2	75-125	
Iron	1.70		"	1.00	3.54	NR	75-125	Low Bias
Lead	0.456		"	0.500	-0.0265	91.1	75-125	
Magnesium	23.7		"	1.00	114	NR	75-125	Low Bias
Manganese	0.704		"	0.500	1.03	NR	75-125	Low Bias
Nickel	0.531		"	0.500	0.120	82.2	75-125	
Potassium	6.04		"	1.00	24.9	NR	75-125	Low Bias
Silver	0.0373		"	0.0500	0.00609	62.4	75-125	Low Bias
Sodium	108		"	1.00	521	NR	75-125	Low Bias
Vanadium	0.489		"	0.500	-0.00504	97.9	75-125	
Zinc	0.481		"	0.500	0.0221	91.7	75-125	

**Batch BA01273 - EPA 3015A**

<b>Blank (BA01273-BLK1)</b>	<b>Prepared &amp; Analyzed: 01/28/2020</b>			
Aluminum - Dissolved	ND	0.0556	mg/L	
Barium - Dissolved	ND	0.0278	"	
Calcium - Dissolved	ND	0.0556	"	
Chromium - Dissolved	ND	0.00556	"	
Cobalt - Dissolved	ND	0.00444	"	
Copper - Dissolved	ND	0.0222	"	
Iron - Dissolved	ND	0.278	"	
Lead - Dissolved	ND	0.00556	"	
Magnesium - Dissolved	ND	0.0556	"	
Manganese - Dissolved	ND	0.00556	"	
Nickel - Dissolved	ND	0.0111	"	
Potassium - Dissolved	ND	0.0556	"	
Silver - Dissolved	ND	0.00556	"	
Sodium - Dissolved	ND	0.556	"	
Vanadium - Dissolved	ND	0.0111	"	
Zinc - Dissolved	ND	0.0278	"	



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			

**Batch BA01273 - EPA 3015A**

**LCS (BA01273-BS1)**

Prepared & Analyzed: 01/28/2020

Aluminum - Dissolved	1.94		ug/mL	2.00		96.9		80-120					
Barium - Dissolved	2.00		"	2.00		100		80-120					
Calcium - Dissolved	0.905		"	1.00		90.5		80-120					
Chromium - Dissolved	0.200		"	0.200		99.8		80-120					
Cobalt - Dissolved	0.513		"	0.500		103		80-120					
Copper - Dissolved	0.250		"	0.250		100		80-120					
Iron - Dissolved	0.984		"	1.00		98.4		80-120					
Lead - Dissolved	0.495		"	0.500		99.1		80-120					
Magnesium - Dissolved	0.972		"	1.00		97.2		80-120					
Manganese - Dissolved	0.500		"	0.500		99.9		80-120					
Nickel - Dissolved	0.491		"	0.500		98.1		80-120					
Potassium - Dissolved	0.969		"	1.00		96.9		80-120					
Silver - Dissolved	0.0436		"	0.0500		87.2		80-120					
Sodium - Dissolved	0.985		"	1.00		98.5		80-120					
Vanadium - Dissolved	0.486		"	0.500		97.1		80-120					
Zinc - Dissolved	0.477		"	0.500		95.5		80-120					

**Duplicate (BA01273-DUP1)**

\*Source sample: 20A0539-02 (DUP-20200114)

Prepared & Analyzed: 01/28/2020

Aluminum - Dissolved	ND	0.0556	mg/L		ND								20
Barium - Dissolved	0.0831	0.0278	"		0.0836					0.523			20
Calcium - Dissolved	54.5	0.0556	"		54.8					0.508			20
Chromium - Dissolved	0.305	0.00556	"		0.305					0.0528			20
Cobalt - Dissolved	0.00830	0.00444	"		0.00826					0.560			20
Copper - Dissolved	ND	0.0222	"		ND								20
Iron - Dissolved	0.384	0.278	"		ND								20
Lead - Dissolved	ND	0.00556	"		ND								20
Magnesium - Dissolved	25.7	0.0556	"		27.1					5.09			20
Manganese - Dissolved	0.220	0.00556	"		0.221					0.0868			20
Nickel - Dissolved	ND	0.0111	"		ND								20
Potassium - Dissolved	6.21	0.0556	"		6.24					0.604			20
Silver - Dissolved	ND	0.00556	"		0.00571								20
Sodium - Dissolved	123	0.556	"		124					0.153			20
Vanadium - Dissolved	ND	0.0111	"		ND								20
Zinc - Dissolved	ND	0.0278	"		ND								20



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit		Level	Result	Limits	Limit				

**Batch BA01273 - EPA 3015A**

<b>Matrix Spike (BA01273-MS1)</b>	*Source sample: 20A0539-02 (DUP-20200114)						Prepared & Analyzed: 01/28/2020				
Barium - Dissolved	2.26	0.0278	mg/L	2.22	0.0836	98.1	75-125				
Chromium - Dissolved	0.530	0.00556	"	0.222	0.305	101	75-125				
Cobalt - Dissolved	0.567	0.00444	"	0.556	0.00826	101	75-125				
Copper - Dissolved	0.287	0.0222	"	0.278	ND	103	75-125				
Iron - Dissolved	1.35	0.278	"	1.11	ND	121	75-125				
Lead - Dissolved	0.532	0.00556	"	0.556	ND	95.7	75-125				
Manganese - Dissolved	0.777	0.00556	"	0.556	0.221	100	75-125				
Nickel - Dissolved	0.574	0.0111	"	0.556	ND	103	75-125				
Silver - Dissolved	0.0492	0.00556	"	0.0556	0.00571	78.2	75-125				
Vanadium - Dissolved	0.538	0.0111	"	0.556	ND	96.9	75-125				
Zinc - Dissolved	0.533	0.0278	"	0.556	ND	95.9	75-125				

<b>Post Spike (BA01273-PS1)</b>	*Source sample: 20A0539-02 (DUP-20200114)						Prepared & Analyzed: 01/28/2020				
Aluminum - Dissolved	2.20		ug/mL	2.00	0.0512	107	75-125				
Barium - Dissolved	2.17		"	2.00	0.0836	104	75-125				
Calcium - Dissolved	49.0		"	1.00	54.8	NR	75-125	Low Bias			
Chromium - Dissolved	0.485		"	0.200	0.305	90.2	75-125				
Cobalt - Dissolved	0.546		"	0.500	0.00826	107	75-125				
Copper - Dissolved	0.277		"	0.250	0.00404	109	75-125				
Iron - Dissolved	1.31		"	1.00	0.252	106	75-125				
Lead - Dissolved	0.512		"	0.500	-0.00264	102	75-125				
Magnesium - Dissolved	24.3		"	1.00	27.1	NR	75-125	Low Bias			
Manganese - Dissolved	0.729		"	0.500	0.221	102	75-125				
Nickel - Dissolved	0.552		"	0.500	0.0107	108	75-125				
Potassium - Dissolved	6.69		"	1.00	6.24	44.4	75-125	Low Bias			
Silver - Dissolved	0.0314		"	0.0500	0.00571	51.5	75-125	Low Bias			
Sodium - Dissolved	112		"	1.00	124	NR	75-125	Low Bias			
Vanadium - Dissolved	0.518		"	0.500	-0.00156	104	75-125				
Zinc - Dissolved	0.521		"	0.500	-0.00404	104	75-125				



**Metals by ICP/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Level					Result			

**Batch BA00784 - EPA 3015A**

**Blank (BA00784-BLK1)**

Prepared: 01/17/2020 Analyzed: 01/20/2020

Antimony	ND	1.11	ug/L										
Arsenic	ND	1.11	"										
Beryllium	ND	0.333	"										
Cadmium	ND	0.556	"										
Selenium	ND	1.11	"										
Thallium	ND	1.11	"										

**LCS (BA00784-BS1)**

Prepared: 01/17/2020 Analyzed: 01/20/2020

Antimony	43.6		ug/L	50.0	87.2	80-120							
Arsenic	46.8		"	50.0	93.6	80-120							
Beryllium	46.1		"	50.0	92.2	80-120							
Cadmium	45.5		"	50.0	91.0	80-120							
Selenium	47.4		"	50.0	94.8	80-120							
Thallium	44.5		"	100	44.5	80-120	Low Bias						

**Duplicate (BA00784-DUP1)**

\*Source sample: 20A0539-01 (MW-02 20200114)

Prepared: 01/17/2020 Analyzed: 01/20/2020

Antimony	ND	1.11	ug/L		ND								20
Arsenic	ND	1.11	"		ND								20
Beryllium	ND	0.333	"		ND								20
Cadmium	ND	0.556	"		ND								20
Selenium	ND	1.11	"		ND								20
Thallium	ND	1.11	"		ND								20

**Matrix Spike (BA00784-MS1)**

\*Source sample: 20A0539-01 (MW-02 20200114)

Prepared: 01/17/2020 Analyzed: 01/20/2020

Antimony	46.1		ug/L	50.0	-0.016	92.3	75-125						
Arsenic	47.4		"	50.0	0.182	94.5	75-125						
Beryllium	29.6		"	50.0	0.004	59.3	75-125	Low Bias					
Cadmium	46.9		"	50.0	0.035	93.6	75-125						
Selenium	42.2		"	50.0	-0.450	84.4	75-125						
Thallium	42.5		"	100	-0.056	42.5	75-125	Low Bias					



**Metals by ICP/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			

**Batch BA01272 - EPA 3015A**

**Blank (BA01272-BLK1)**

Prepared & Analyzed: 01/28/2020

Antimony - Dissolved	ND	1.11	ug/L										
Arsenic - Dissolved	ND	1.11	"										
Beryllium - Dissolved	ND	0.333	"										
Cadmium - Dissolved	ND	0.556	"										
Selenium - Dissolved	ND	1.11	"										
Thallium - Dissolved	ND	1.11	"										

**LCS (BA01272-BS1)**

Prepared & Analyzed: 01/28/2020

Antimony - Dissolved	43.2		ug/L	50.0	86.5	80-120							
Arsenic - Dissolved	43.8		"	50.0	87.7	80-120							
Beryllium - Dissolved	49.6		"	50.0	99.2	80-120							
Cadmium - Dissolved	43.7		"	50.0	87.5	80-120							
Selenium - Dissolved	40.6		"	50.0	81.3	80-120							
Thallium - Dissolved	42.6		"	100	42.6	80-120	Low Bias						

**Duplicate (BA01272-DUP1)**

\*Source sample: 20A0539-02 (DUP-20200114)

Prepared & Analyzed: 01/28/2020

Antimony - Dissolved	ND	1.11	ug/L		ND								20
Arsenic - Dissolved	ND	1.11	"		ND								20
Beryllium - Dissolved	ND	0.333	"		ND								20
Cadmium - Dissolved	ND	0.556	"		ND								20
Selenium - Dissolved	ND	1.11	"		ND								20
Thallium - Dissolved	ND	1.11	"		ND								20

**Matrix Spike (BA01272-MS1)**

\*Source sample: 20A0539-02 (DUP-20200114)

Prepared & Analyzed: 01/28/2020

Antimony - Dissolved	46.0		ug/L	50.0	0.065	91.9	75-125						
Arsenic - Dissolved	46.6		"	50.0	0.111	92.9	75-125						
Beryllium - Dissolved	35.5		"	50.0	0.024	70.9	75-125	Low Bias					
Cadmium - Dissolved	44.5		"	50.0	0.035	89.0	75-125						
Selenium - Dissolved	48.3		"	50.0	-0.197	96.5	75-125						
Thallium - Dissolved	42.9		"	100	0.060	42.8	75-125	Low Bias					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BA00688 - EPA 7473 water</b>											
<b>Blank (BA00688-BLK1)</b>										Prepared & Analyzed: 01/16/2020	
Mercury	ND	0.00020	mg/L								
<b>Duplicate (BA00688-DUP1)</b>										*Source sample: 20A0539-02 (DUP-20200114) Prepared & Analyzed: 01/16/2020	
Mercury	ND	0.00020	mg/L		ND						20
<b>Matrix Spike (BA00688-MS1)</b>										*Source sample: 20A0539-02 (DUP-20200114) Prepared & Analyzed: 01/16/2020	
Mercury	0.0102		mg/L	0.0100	0.00	102	75-125				
<b>Reference (BA00688-SRM1)</b>										Prepared & Analyzed: 01/16/2020	
Mercury	0.00971		mg/L	0.0100		97.1	70-130				
<b>Batch BA01238 - EPA 7473 water</b>											
<b>Blank (BA01238-BLK1)</b>										Prepared & Analyzed: 01/27/2020	
Mercury - Dissolved	ND	0.0002000	mg/L								
<b>Duplicate (BA01238-DUP1)</b>										*Source sample: 20A0539-01 (MW-02 20200114) Prepared & Analyzed: 01/27/2020	
Mercury - Dissolved	ND	0.0002000	mg/L		ND						20
<b>Matrix Spike (BA01238-MS1)</b>										*Source sample: 20A0539-01 (MW-02 20200114) Prepared & Analyzed: 01/27/2020	
Mercury - Dissolved	0.008683		mg/L	0.0100	0.000	86.8	75-125				
<b>Reference (BA01238-SRM1)</b>										Prepared & Analyzed: 01/27/2020	
Mercury - Dissolved	0.008393		mg/L	0.0100		83.9	70-130				



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20A0539-01	MW-02 20200114	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20A0539-02	DUP-20200114	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



### Sample and Data Qualifiers Relating to This Work Order

M-ISO	The ICP/MS result reported for this element used an alternate isotope due to molecular interferences encountered with the sample matrix.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-L	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased low.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-CRL	The RL check for this element recovered outside of control limits.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
S-08	The recovery of this surrogate was outside of QC limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-SRD1	The serial dilution for this element was outside control limits.
PF-CCV-H	The CCV recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW -846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.





- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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Corrective Action: No trip blank was received, and only one 250 HPDE container was received for sample FB-20200114.

Revision Description: This report has been revised to correct Selenium results.



YORK ANALYTICAL LABORATORIES  
120 RESEARCH DR.  
STRATFORD, CT 06615  
(203) 325-1371  
FAX (203) 357-0166

# Field Chain-of-Custody Record

Page      of     

York Project No. 20A0539

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type		
Company: WCD Group	<input checked="" type="checkbox"/> SAME <input type="checkbox"/> X	Company: <u>24-Dewitt Avenue</u>	<input checked="" type="checkbox"/> SAME <input type="checkbox"/> X	8260 full	TICs	8082 PCB	8082 PCB	RUSH-Same Day	TPH GRO	Excel	Summary Report	<input checked="" type="checkbox"/> X
Address: <u>42-13th Road, Suite 101</u>		Company: <u>Poughkeepsie, NY 12603</u>	Name: <u>Brenda</u>	624	Site Spec.	8081 Pest	8081 Pest	RUSH-Next Day	TPH DRO	NYSDEC EQUIS	QA Report	
Phone: <u>845-452-1658</u>		Address: <u></u>	Company: <u></u>	STARS list	Nassau Co.	BN Only	8151 Herb	RUSH-Two Day	CT ETPH	NJDEP SRP HazSite	CT RCP	
Contact: <u>Erick Salazar</u>		E-mail: <u>esalazar@wcdgroup.com</u>	Address: <u></u>	BTEX	Suffolk Co.	Ads Only	CT RCP	RUSH-Three Day	NY 310-13	EQUIS	CT RCP DQ/DUE Pkg	
			Address: <u></u>	MTBE	Ketones	PAH list	App. IX	RUSH-Four Day	TPH 1664	GIS/KEY (std)	NY ASP A Package	
			Address: <u></u>	TCL list	Oxygenates	TAGM list	Site Spec.	Standard (5-7day)	Air TO14A	YORK Regulatory Comp Excel	NY ASP B Package	<input checked="" type="checkbox"/> X
			Address: <u></u>	TAGM list	TCLP list	CT RCP list	SPL or TCLP		Air TO15	compared to:	NJDEP Reduced Deliv	
			Address: <u></u>	CT RCP list	524.2	TCL list	TCLP Pest		Air STARS			
			Address: <u></u>	Arom. only	502.2	NJDEP list	SPL or TCLP Herb		Air VPH			
			Address: <u></u>	Halogen only	NJDEP list	App. IX	Chlordane		Air TICs			
			Address: <u></u>	App. IX list	SPL or TCLP	TCLP BNA	608 Pest		Methane			
			Address: <u></u>	8021B list	SPL or TCLP	608 PCB			Helium			

**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

Matrix Codes  
S - soil  
Other - specify (oil, etc)  
WW - wastewater  
GW - groundwater  
DW - drinking water  
Air-A - ambient air  
Air-SV - soil vapor

Samples Collected/Authorized By (Signature)  
Erick Salazar  
Name (printed)

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
<u>WD-02 20200114</u>	<u>01/14/2020</u>	<u>GW</u>	<u>VOC (8260); SVOC (8260); Pest/PCB (8081/8082); TAL METALS; PFAS; 1-4 Dioxane</u>	<u>3x 40ml HCl vials; 3x Amber 250ml plastic; 1x 250 plastic w/air</u>
<u>DUP-20200114</u>		<u>DI water</u>	<u>PFAS; 1-4 Dioxane</u>	<u>250ml plastic; 1x 1L Amber</u>
<u>FB-20200114</u>		<u>DI water</u>	<u>VOC (8260)</u>	<u>2x 40ml HCl vials</u>
<u>TS-20200114</u>				

Comments:

Preservation (check all applicable)  
4°C  Frozen  ZnAc  HCl  McOH  HNO<sub>3</sub>  H<sub>2</sub>SO<sub>4</sub>  NaOH  Other

Special Instructions  
Field Filtered   
Lab to Filter

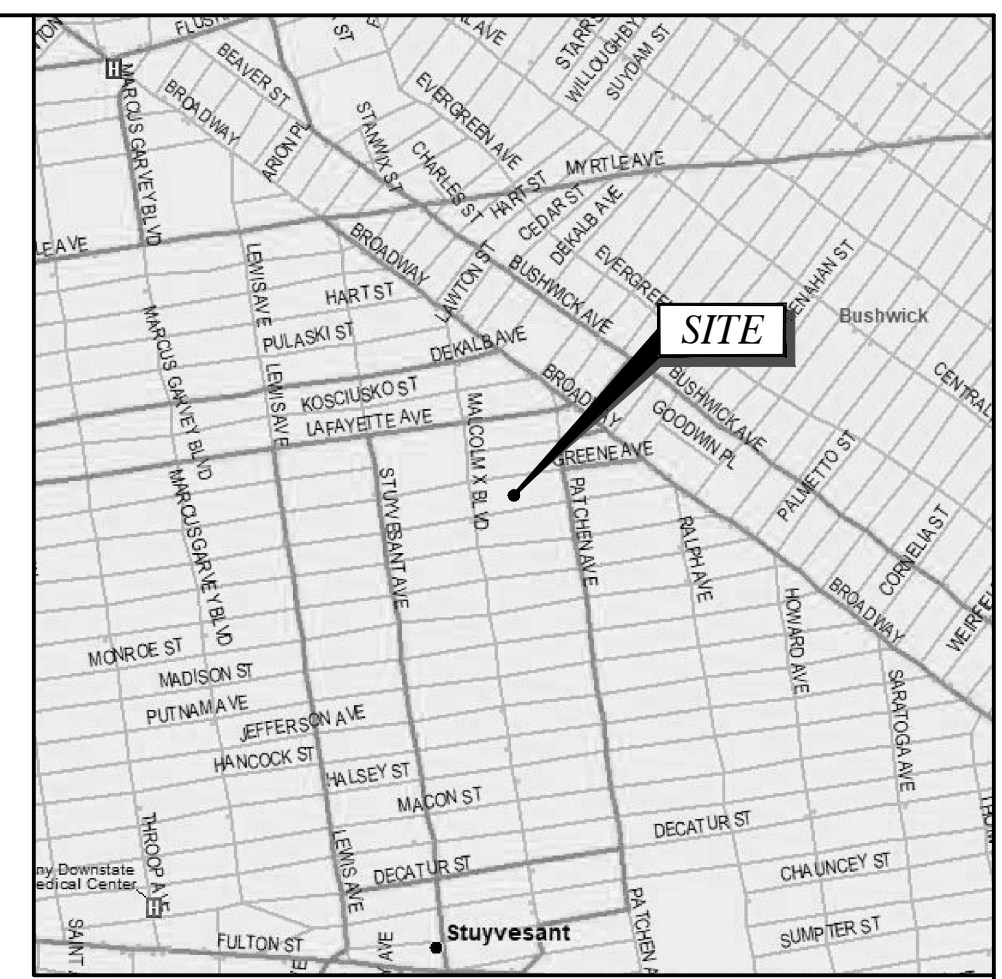
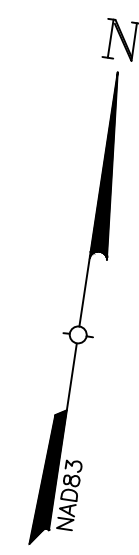
Samples Relinquished By Erick Salazar Date/Time 1/15/20 12:00  
Samples Received By TC Salazar Date/Time 1/15/20 1538

Samples Relinquished in LAB by TC Salazar Date/Time 1-15-20 12:00  
Samples Received in LAB by TC Salazar Date/Time 1/15/20 1538

Temperature on Receipt 2.9°C

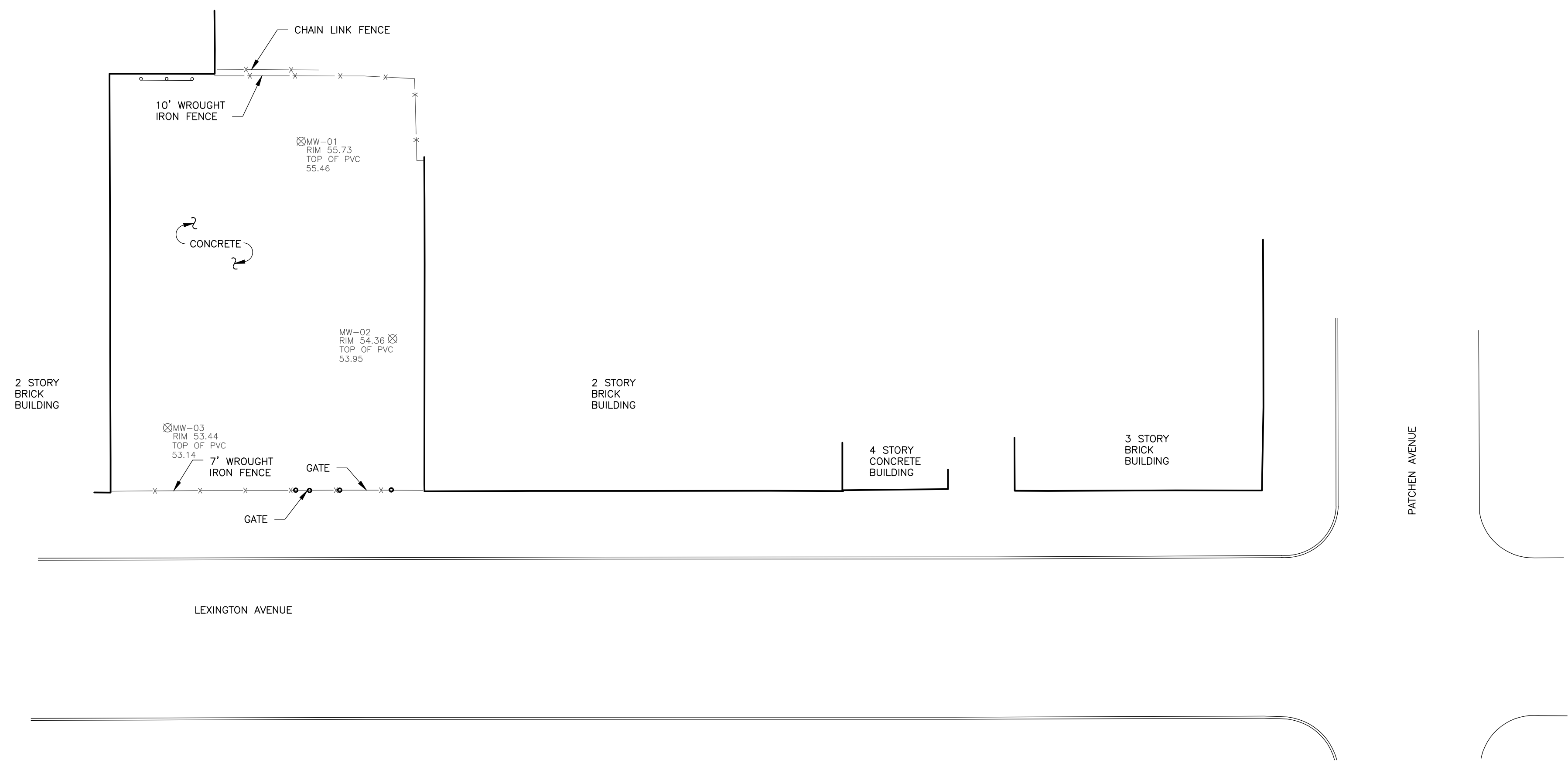
**APPENDIX E**

***Well Survey***



**LOCATION MAP**

SCALE: 1" = 2000'



**LEGEND**

- CHAIN LINK FENCE
- CURB LINE
- GUIDE RAIL
- STRUCTURE
- GATEPOST
- MONITORING WELL

**GENERAL NOTES**

1. THIS PLAN IS BASED ON A FIELD SURVEY BY TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, D.P.C. COMPLETED ON 08/20/2020.
2. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988.
3. MERIDIAN AND COORDINATES REFER TO NEW YORK STATE PLANE, NAD 83, NEW YORK LONG ISLAND ZONE AND ARE BASED ON GPS OBSERVATIONS.
4. NOT ALL IMPROVEMENTS ON THE PARCEL BEING SURVEYED ARE SHOWN HEREON.

NORTHING	EASTING	DESCRIPTION
190881.0	1004062.1	MW-01
190837.6	1004090.7	MW-02
190808.6	1004040.7	MW-03

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ORIGINAL SIZE IN INCHES

Rev	Date	Revision	Approved
0	08/27/20	ISSUED	

DRAWING CONTROL			
Designed by:	Drawn by:	Checked by:	
N/A	MT	TAF	
Purpose	Released by	Date	
<input type="radio"/> For Comment			
<input type="radio"/> For Approval			
<input type="radio"/> For Bid			
<input type="radio"/> For Construction			

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MONITORING WELL LOCATION SKETCH			
811-817 LEXINGTON AVENUE BOROUGH OF BROOKLYN KINGS COUNTY NEW YORK STATE			
Date	Work Order	Drawing No.	Rev
08/28/2020		SK-101	0
Scale 1" = 20'	10588.01		