# 480 FLUSHING SITE
# 480 FLUSHING AVENUE
# BROOKLYN, NY 11205
# Block 1716, Lot 30

# SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT

JUNE 2021

*Prepared for:*

480 Flushing LLC
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## 480 Flushing Avenue, Brooklyn, NY 11205


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## LIST OF ACRONYMS

| Acronym | Definition |
|---|---|
| AOC | Area of Concern |
| AST | Aboveground Storage Tank |
| BCP | Brownfields Cleanup Program |
| BCA | Brownfield Site Cleanup Agreement |
| CVOC | Chlorinated VOC |
| ESA | Environmental Site Assessment |
| EBC | Environmental Business Consultants |
| IRM | Interim Remedial Measure Work Plan |
| NYCDEP | New York City Department of Environmental Protection |
| NYSDEC | New York State Department of Environmental Conservation |
| NYSDOH | New York State Department of Health |
| PID | Photo-Ionization Detector |
| PCB | Polychlorinated Biphenyls |
| REC | Recognized Environmental Condition |
| RI | Remedial Investigation |
| RIWR | Remedial Investigation Work Plan |
| SVOC | Semi-Volatile Organic Compound |
| UST | Underground Storage Tank |
| VOC | Volatile Organic Compound |

## REPORT CERTIFICATION

I, Ariel Czemerinski, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the 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.

By: Ariel Czemerinski, PE

NYPE# 076508

Date: 7/8/2021



# 1.0 INTRODUCTION

This Supplemental Remedial Investigation Report (RIR) was prepared on behalf of 480 Flushing LLC for the property located at 480 Flushing, Brooklyn, New York (the Site). In October 2018, 480 Flushing LLC filed an application with the New York State Department of Environmental Conservation (DEC) to admit the 480 Flushing Site into the New York State Brownfield Cleanup Program (BCP). The application was deemed complete by the DEC (BCP Site No. C224259) was subsequently accepted into the BCP with 480 Flushing LLC classified as a "Participant" on December 3, 2018. The BCA was executed by DEC on April 18, 2019.

DEC required additional delineation of the nature and extent of contamination on- and off-site based on review of existing information via letter dated November 12, 2019. The Supplemental Remedial Investigation Work Plan dated February 28, 2020 submitted to DEC by EBC was approved by DEC via letter dated March 2, 2020. The field work portion of the Supplemental RI was conducted by EBC from January 25, 2021, through February 17, 2021.

The purpose of this Supplemental Remedial Investigation Report is to collect data of sufficient quality and quantity to characterize the nature and extent of contamination associated with the historic operations at the Site and to complete a qualitative exposure assessment for future occupants of the proposed building and the surrounding community and to evaluate alternatives to remediate the contamination.

The overall objectives of the project are to prepare the Site for community use and to remediate known and unknown environmental conditions at the Site to the satisfaction of the DEC and the New York State Department of Health (NYSDOH).

## 1.1 Site Location and Description

The street address for the Site is 480 Flushing Avenue, Brooklyn, NY 11205 (**Figure 1**). The Site is located in the Bedford Stuyvesant neighborhood of Brooklyn and is comprised of a single tax parcel (Block: 1716 Lot: 30) totaling 4,450 sf (0.102 acre). The Site has 50 feet of frontage on Flushing Avenue and 89.25 feet of frontage on Walworth Street (**Figure 2**). The property is currently vacant land.

The elevation of the Site is approximately 16 feet above the National Geodetic Vertical Datum (NGVD). The topography within the immediate area slopes gradually from south to north. Groundwater was reported to be present at approximately 12.61 to 14.35 ft below grade. Groundwater flow was estimated to be to the southeast.

The north side of the property is bordered by Flushing Avenue, and the east side is bordered by Walworth Street. The west and south property lines are bordered by two NYSBCP site; the 11 Spencer Site (C224202) to the east and the 8 Walworth Site (C224239) to the south. The property is currently vacant land with no structures present and no occupants or tenants.

Subsurface soil at the Site includes a silty sand non-native fill material and other rubble to a depth of 3ft. A fine to medium silty sand and coarse sand with gravel and pebbles, is present beneath the fill material and extends to the water table (12.61 to 14.35 ft) and depths of 40 feet.

## 1.2 Redevelopment Plans

The Site will be redeveloped through the construction of a four-story community building with a mezzanine and full cellar level. The new building will include a community center in the cellar, a Synagogue on the first floor and mezzanine, classrooms and office space on the second floor and storage and office space on the third and fourth floors. The proposed redevelopment project is in compliance with the current M1-2 zoning.

## 1.3 Site History

The environmental history of the subject property was previously investigated through the review of Federal and State Environmental databases, Environmental Sanborn Fire Insurance maps, NYC Department of Building records and the NYC Department of Finance databases.

According to the review of these sources the property was developed sometime prior to 1887 with two 2-story residences in the southern portion of the Lot with the northern portion vacant. A 1-story building was constructed on the northern portion which is shown as "broom manufacturer's supply" till 1950. A new 1 story building is present in the southern portion of the Site in 1965 and identified as "paint mixing" presumably as part of the Techtronics Ecological Corporation. The northern building is shown as storage or warehouse. Both buildings remain unchanged till 2016 when the north building was demolished. The south building was demolished in 2018. The property was known to be most recently used by an auto repair shop.

## 1.4 Summary of Previous Investigations

A series of subsurface investigations were performed at the Site as follows:

- Limited Phase II Site Investigation Report, Alpha-Hydro Environmental, July 24, 2014.
- Site Characterization Report, Laurel Environmental Associates, LTD August 9, 2018.

Copies of previous investigation reports and data summaries are provided in **Appendix H.**

### *1.4.1 July 24, 2014– Limited Phase II Site Investigation Report (Alpha-Hydro Environmental)*

A Phase II subsurface investigation was performed on the northern portion of the Site in 2014 by Alpha-Hydro Environmental Services. The Phase II included three soil borings with one sample from each boring submitted for laboratory analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and RCRA metals. No VOCs or metals were detected in any of the soil samples at concentrations exceeding 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives ("SCOs"). SVOCs were detected in two samples at concentrations exceeding Unrestricted Use SCOs and consistent with that typically present in historic fill.

Monitoring wells were installed at two of the boring locations with groundwater samples collected for laboratory analysis of VOCs, SVOCs, and RCRA metals. Four chlorinated VOCs (CVOCs),

including tetrachloroethene (PCE) at 32 µg/L in TW1 and at 65 µg/L in TW2, trichloroethene (TCE) at 8.1 µg/L in TW1 and 17 µg/L in TW-2, cis-1,2-dichloroethene (cis-1,2-DCE) at 20 µg/L in TW-2 and chloroform at 17 µg/L in TW1 were detected at (<100 ug/L) concentrations above groundwater standards. The NYS 6MYCRR Part 703.5 Class GA standard for PCE, TCE and cis-1,2-dichloroethene is 5 µg/L and for chloroform is 7 µg/L.

### *1.4.2 August 9, 2018 – Site Characterization Report (Laurel Environmental Associates)*

The field work portion of the RI was conducted by Laurel Environmental Associates Ltd. on June 4 and June 5, 2018. The RI was performed in accordance with an approved Site Characterization Work Plan and consisted of a geophysical survey, eight soil borings with eight surface and sixteen subsurface soil samples, three monitoring wells / groundwater samples and three soil vapor samples.

Below is a summary of SCR findings:

- Surface soils at the Site consist of historic fill materials and sandy soil. Subsurface soils are described as silt and fine grained sand with a clay layer in the southern portion of the Site encountered at depths of 5 to 10 ft below grade. Coarse sand, gravel and clay was noted from 10 to 20 ft below grade. Groundwater was reported to be present under semi-confined conditions at approximately 10-12 ft below grade. Groundwater flow was estimated to be northwest. It should be noted that data collected within the EBC 2021 Supplemental RIR indicates the direction of groundwater flow to be to the southeast.

- One (1) previously unknown UST was encountered in the central portion of the Site and is currently on site. The UST was estimated to be 550 gallons in capacity and was found to contain approximately four (4) inches of a black oily liquid. Soil sample analytical results from soil boring SB-3 (installed adjacent to the UST) indicates that a release from the UST has not occurred.

- After identifying the location of the 550-gallon UST in the central portion of the site, a follow-up geophysical investigation conducted across the Site showed two (2) additional magnetic anomalies. Each anomaly was further investigated using a manually-driven tool, to a depth of three (3) feet below ground surface for the sidewalk anomaly and a depth of one (1) foot below ground surface for the east-central anomaly (apparent concrete prevented deeper assessment at this location). No evidence of USTs was identified at either location.

- All surface soil samples contained VOCs, SVOCs, PCBs, and / or metals at concentrations exceeding Unrestricted Use SCOs. In addition, sample SS-4B contained hexavalent chromium at a concentration above its Unrestricted Use SCO. Restricted Residential and Commercial SCOs for SVOCs, PCBs, and/or metals were also exceeded in all of the surface soil samples.

- Subsurface soil sampling showed exceedances of Unrestricted Use SCOs for VOCs, SVOCs, PCBs, pesticides, and metals in the shallow samples collected at borings SB-l, SB-2, SB-3, SB-5 and SB-7. In addition, several samples; SB-4B,SB-6A, SB-6B, SB-7A, SB-8B, SS-1A, SS-1B, SS-2A, SS-2B, SS-3A, SS-3B, SS-4A and SS4B contained one PCB at a concentration exceeding the Unrestricted Use, Restricted Residential and Commercial

SCOs, and SB-8 showed acetone at a concentration slightly exceeding the Unrestricted Use SCO in the 8-10 foot interval (sample SB-8A) and cis-l,2-dichloroethene at a concentration slightly exceeding the Unrestricted Use SCO in the 13-15 foot interval (sample SB-8B).

- No parameters were detected at concentrations above Unrestricted Use SCOs in either sample from borings SB-4 and SB-6.

- The Site-specific groundwater flow direction was calculated to be from the southeast to the northwest. As a result, monitoring wells MW-B and MW-C are up gradient of monitoring well MW-A. It should be noted that data collected within the EBC 2021 Supplemental RIR indicates the direction of groundwater flow to be to the southeast.

- Class GA groundwater standards and guidance values for VOCs, SVOCs, total metals, and dissolved metals were exceeded in each of the groundwater samples collected during this investigation. The most significant groundwater impacts detected at the Site are from VOCs which are likely from an off-site source.

- The VOC concentrations detected in groundwater were significantly higher in the samples from monitoring wells MW-B and MW-C.

- Soil vapor sample results showed detections of 35 individual VOCs detected in one or more of the samples, including both petroleum-related and chlorinated VOCs. PCE ranged from non-detect to 40.6 µg/$m^3$, TCE was ranged from 4.85 µg/$m^3$ to 1,470 µg/$m^3$, 1,1,1-TCA ranged from 354 µg/$m^3$ to 1,170 µg/$m^3$, carbon tetrachloride ranged from non-detect to 32.3 µg/$m^3$, cis-1,2-dichloroethene ranged from 107 µg/$m^3$ to 245 µg/$m^3$, 1,1-dichloroethene ranged from 19.3 µg/$m^3$ to 98.3 µg/$m^3$, methylene chloride ranged from 8.09 µg/$m^3$ to 907 µg/$m^3$ and vinyl chloride was detected in the SV-1 sample at 7.77 µg/$m^3$.

# 2.0 REMEDIAL INVESTIGATION

## 2.1 Field Investigation

A supplemental subsurface investigation was performed by EBC in accordance with the February 28, 2020 Supplemental Remedial Investigation Work Plan approved by the NYSDEC. The field work portion of the RI was conducted by EBC from January 25, 2021, through February 17, 2021. The field investigation consisted of environmental sampling, field observations and measurements to determine:

- Local geologic/hydro-geological conditions;
- Definition of source areas;
- Potential migration of contaminants from the Site to surrounding areas; and,
- Overall characterization of site-related contamination in soil and groundwater.

The field effort included the installation of four new on-site cluster groundwater monitoring wells (CW1, CW2, CW3 and CW4) and the collection and analysis of groundwater samples from each of the new cluster wells. Additionally, two soil borings (SB20-01 and SB20-02) will be advanced within the identified CVOC source area and the collection and analysis of soil samples from 20-25 feet, 25-30 feet and 30-35 feet bgs. Laboratory services for soil and groundwater analysis were provided by Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut (NY Cert No. 11301). Analysis for emerging contaminants (PFAS, 1,4-dioxane) in soil and groundwater samples was provided by Alpha Analytical Laboratories (NY Cert No. 11148) of Westborough, Massachusetts.

## 2.2 Deviations from the Remedial Investigation Work Plan

- The set of cluster monitoring wells, CW2 was initially supposed to be installed on the north east corner of Flushing Avenue. Mark outs in this area indicated underground utilities in this area. DEC was contacted to approve a new location for CW2. DEC directed EBC to install CW2 on the northeast side of Walworth.
- A off-Site soil vapor intrusion investigation will be conducted. As noted in the January 17, 2020 letter from NYSDOH, the soil vapor intrusion investigation should be conducted for the following locations; block 1717 lot 29, block 2263 lot 71, block 2263 lot 67 and block 2263 lot 62. The investigation will consist of a sub-slab vapor samples (SS20-1, SS20-2, SS20-03 and SS20-04), indoor air samples (IA1, IA2, IA3 and IA4) and a product building inventory. Sub-slab and indoor air samples will be collected concurrently. One outdoor air sample (OA1) will be collected per sampling event. A building inspection and product inventory will be conducted for each location. As of June 1, 2021 a response permitting access to these properties has not been received. On June 1, 2021 access request letters were resent. Copies of all letters requesting access and documentation that these letters were sent certified mail are included in Appendix I.

## 2.3 Monitoring Well Installation

Four new on-site cluster groundwater monitoring wells (CW1, CW2, CW3 and CW4) were installed

from January 25, 2021, to January 26, 2021. Each of the new cluster groundwater monitoring wells was installed using a Geoprobe 8140LC Sonic Rig with tooling that creates a 6-inch diameter borehole. Each monitoring well is constructed of 2-inch diameter PVC casing and 0.010-inch slotted PVC well screen to create a 2-inch annular space surrounding the 2-inch diameter PVC monitoring well. Each set of cluster wells consists of monitoring well with well screens set at the water table CW1-S, CW2-S, CW3-S and CW4-S), 10 feet below the water table (CW1-I, CW2-I, CW3-I and CW4-I) and 20 feet below the water table (CW1-D, CW2-D, CW3-D and CW4-D). Depth to water as noted is 12.61 to 14.35 feet bgs.

A No.00 morie filter-pack sand filled the annulus surrounding the screen within two feet above the top of the screen. A one-foot hydrated bentonite seal was then placed on top of the filter sand and the remainder of the borehole was backfilled to grade. Following installation, each of the wells was surveyed to determine relative casing elevation to the nearest 0.01 ft and horizontal position to the nearest 0.1 ft. Groundwater elevations and generic monitoring well specifications for each well is provided in Table 2. Monitoring well locations are identified in Figure 4. Well completion reports detailing monitoring well construction are provided in **Appendix B**. A groundwater elevation map is provided as Figure 5.

### *2.3.1 Soil Sampling*

Installation of two soil borings (SB20-01 and SB20-02) will be advanced within the identified CVOC source area was performed utilizing a Geoprobe 8140LC Sonic Rig and was done in conjunction with soil sampling utilizing the SDT60 sampling system. The SDT60 sampling system advances a 6-inch diameter outer casing to continuously collect 4.3-inch diameter soil cores in 5 ft intervals within core bags. Soil sampling was performed at each of these boring from 20-25 feet, 25-30 feet and 30-35 feet bgs. Soil recovered from each of the core bags was characterized by an experienced geologist and field screened for the presence of VOCs using a PID. The geologist's field observations and PID readings were recorded for each of the two locations in a soil boring log (**Appendix A**). PID readings ranging from 0.0 to a 193.0 ppm in the CW4 location from 10-15 feet bgs.

In accordance with the approved Supplemental RIWP, a soil sample was retained for laboratory analysis from each of the borings at the following depths 20-25 feet, 25-30 feet and 30-35 feet bgs. No other soil samples were retained for laboratory analysis.

The six soil samples were collected directly into pre-cleaned laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix and Alpha.

### *2.3.2 Soil Sample Analysis*

Each of the six soil samples were submitted for laboratory analysis of VOCs EPA Method 8260C, 1,4-dioxane by EPA Method 8270D SIM, and the 21 PFAS compounds by EPA Method 537.1.

### *2.3.3 Groundwater Sampling*

A groundwater sample was collected from each of the 12 newly installed cluster monitoring wells (CW1-S CW1-I, CW1-D, CW2-S, CW2-I, CW2-D, CW3-S, CW3-I, CW3-D, CW4-S, CW4-I and CW4-D) from February 16, 2021, to February 17, 2021. Each of the monitoring wells was sampled using low-flow sampling techniques and was monitored continuously until parameters stabilized. A peristaltic pump was used to develop and purge each well and collect the sample. Samples were

collected directly into pre-cleaned laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix and Alpha. Groundwater sampling logs are provided in **Appendix C**.

*2.3.4 Groundwater Sample Analysis*

Each of the 12 groundwater samples was submitted for laboratory analysis of VOCs EPA Method 8260C, 1,4-dioxane by EPA Method 8270D SIM, and the 21 PFAS compounds by EPA Method 537.1.

## 2.4 Laboratory Analysis

Data tables summarizing the laboratory results are provided in Tables 3 through Table 16, and copies of the laboratory reports (with chains-of-custody) are included in digital format in **Appendix D** (Phoenix) and **Appendix E** (Alpha). Soil sample results for VOCs were compared to Unrestricted Use Soil Cleanup Objectives (SCOs), Restricted Residential SCOs, and Commercial SCOs as promulgated in 6 NYCRR Subpart 375-6. Groundwater results for VOCs were compared to NYSDEC Division of Water, Technical & Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values (AWQS), June 1998. Table 15 contains a list of parameters detected above Track 1 Unrestricted Use SCOs and the range in detections. Table 16 contains a list of parameters detected above Ambient Water Quality Standards and Guidance Values (AWQS) and the range in detections.

Table 7 summarizes the concentrations of 1,4-dioxane and PFAS in soil, and Table 13 summarizes the concentrations of 1,4-dioxane and PFAS in groundwater.

*2.4.1 Analytical Results – Soil Samples*

A total of 6 soil samples were collected from the two soil borings (SB20-01 and SB20-02) within the CVOC area for laboratory analysis of VOCs EPA Method 8260C, 1,4-dioxane by EPA Method 8270D SIM, and the 21 PFAS compounds by EPA Method 537.1.

The results of the soil samples collected as part of this Supplemental Remedial Investigation are summarized in Tables 3 through 14. All soil results above Unrestricted Use SCOs are presented in Table 15 and posted on Figure 6. Unrestricted Use SCO exceedances for VOCs, 1,4-dioxane, and the 21 PFAS compounds are listed below.

**VOCs in Soil Above Unrestricted Use SCOs:**

PCE was noted above UUSCOs in five out of six samples and ranged from 240 µg/Kg to 640 µg/Kg. The maximum PCE concentration was noted in SB20-1 30-35 feet bgs and this boring is centrally located on the west side of the Site. No other VOCs were detected above Unrestricted Use SCOs within any of the two soil borings (six soil samples) within the CVOC area.

**Emerging Contaminants in Soil Above Unrestricted Use SCOs:**

1,4-dioxane (EPA Method 8270 SIM) and the 21 PFAS compounds were not detected within any of the 6 soil samples collected within any of the two soil borings (six soil samples) within the CVOC area.

### *2.4.2 Analytical Results – Groundwater Samples*

A total of 12 groundwater samples were collected from 12 newly installed groundwater monitoring wells for laboratory analysis of VOCs EPA Method 8260C, 1,4-dioxane by EPA Method 8270D SIM, and the 21 PFAS compounds by EPA Method 537.1.

The results of groundwater samples collected as part of this Supplemental Remedial Investigation are summarized in Tables 8 through 13 and posted on Figure 7. VOC, PFAS, and 1,4-dioxane exceedance of NYSDEC Division of Water, Technical & Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values (AWQS), June 1998, are listed below.

**Emerging Contaminants in Groundwater Above NYSDEC AWQS:**

Perfluorooctanoic Acid (PFOA) was detected above the 10 ng/L screening level for PFOA as defined in NYSDECs *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*, dated January 2021, within 11 of the 12 groundwater samples and the duplicate collected as part of this Supplemental Remedial Investigation at a maximum concentration of 89.5 ng/L in CW4-S.

Perfluorooctanesulfonic Acid (PFOS) was detected above the 10 ng/L screening level for PFOA as defined in NYSDECs *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*, dated January 2021, within 12 of the 12 groundwater samples and the duplicate collected as part of this Supplemental Remedial Investigation at a maximum concentration of 116 ng/L in CW1-S.

1,4-dioxane was detected in 8 of the 12 groundwater samples and the duplicated collected as part of this Supplemental Remedial Investigation at a maximum concentration of 5.9 ug/L in CW4-I.

No other individual PFAS compounds were detected in any of the groundwater samples at or above the 100 ng/L screening level, and none of the groundwater samples had a total PFAS (including PFOA and PFOS) concentration at or above the 500 ng/L screening level.

**VOCs in Groundwater Above NYSDEC AWQS:**

| | PCE (µg/L) | TCE (µg/L) | 1,1,1-TCA (µg/L) | 1,1-DCA (µg/L) | 1,1-DCE (µg/L) | Chloroform (µg/L) | cis-1,2-DCE (µg/L) | trans-1,2-DCE (µg/L) | VC (µg/L) | Total CVOCs (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| *CW1-S* | 74 | 27 | 2.1 | ND | ND | 3.9 | 5.6 | ND | ND | 112.6 |
| *CW1-I* | 100 | 30 | 1.5 | 0.43 | 0.67 | ND | 170 | 0.54 | 0.29 | 303.43 |
| *CW1-D* | 34 | 11 | 5.9 | 0.68 | 0.32 | ND | 34 | ND | ND | 85.9 |
| *CW2-S* | 76 | 11 | 1.6 | ND | ND | 30 | 4.7 | ND | ND | 123.3 |
| *CW2-I* | 220 | 36 | 1.6 | 0.63 | 0.7 | 1.7 | 190 | 0.53 | 0.72 | 451.88 |
| *CW2-D* | 140 | 27 | 21 | 2.9 | 1.1 | 1.2 | 110 | 0.3 | 0.32 | 303.82 |
| *CW3-S* | 92 | 24 | 27 | 1.8 | 0.74 | 2.2 | 51 | 0.32 | ND | 499.06 |
| *CW3-I* | 7,300 | 45 | 290 | ND | 18 | ND | 25 | ND | ND | 7,678 |
| *CW3-D* | 200 | 24 | 3 | ND | 0.53 | 0.72 | 3.7 | 0.43 | ND | 232.38 |
| *CW4-S* | 18 | 23 | 280 | 71 | 4.2 | 6.4 | 28 | 0.86 | 22 | 453.46 |
| *CW4-I* | 28 | 57 | 29 | 16 | 14 | 1.7 | 260 | 1.3 | 200 | 607 |
| *CW4-D* | 1,400 | 63 | 96 | ND | 7.6 | ND | 21 | ND | ND | 1,587.6 |

The highest PCE concentration detected in groundwater during the sampling performed in 2021 was detected in CW3-I (7,300 µg/l) which is located on the southwest corner of the Site. The PCE concentration in the deep screened monitoring well (CW3-D) reduced to 200 µg/l. PCE detections above 1,000 µg/l were reported in CW4-D (1,400 µg/l) which is located on the southeast corner of the Site.

The highest TCE concentrations detected in groundwater during the sampling performed in 2021 were reported in monitoring wells in following wells CW4-D (63 µg/l), CW4-I (57 µg/l), CW3-I (45 µg/l) which are located on the southeast and southwest corners of the Site. The 2018 sample MW-C noted TCE at 350 µg/l and is located in the southwest corner of the Site.

Vinyl chloride was detected above AWQS within two on-Site groundwater samples collected in the 2021 Investigation; CW4-S (22 µg/l) and CW4-I (200 µg/l) which is located on the southeastern end of the Site. The 2018 MW-B groundwater sample reported an elevated concentration of vinyl chloride of 2.3 µg/l, which is located on the east side of the Site.

### *2.4.4 Data Usability Summary Report*

Data validation services were provided by Koman Government Solutions, LLC (KGS) of Marlboro, Massachusetts. KGS reported that, the data is acceptable with some minor issues that are identified in the accompanying data validation reviews. Therefore, the data may be used for decision making purposes. In addition, the electronic data deliverables (EDDs) package was submitted and successfully uploaded to the DEC. The Data Usability Summary Reports prepared by KGS and an e-mail verifying submission of the EDDs are provided in **Appendix F**.


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# 3.0 HYDROGEOLOGIC ASSESSMENT AND PHYSICAL SETTING

## 3.1 Site Topography

The elevation of the Site is approximately 16 ft above sea level using the National Geodetic Vertical Datum (NGVD). The area topography gradually slopes from the south to the north.

## 3.2 Surrounding Land Use

The north side of the property is bordered by Flushing Avenue, and the east side is bordered by Walworth Street. The west and south property lines are bordered by two NYSBCP site; the 11 Spencer Site (C224202) to the west and the 8 Walworth Site (C224239) to the south. The property is currently vacant land with no structures present and no occupants or tenants.

There are ten schools located within 1,200 feet of the Site including Bnei Shimon Yisroel of Sopron approximately 150 feet to the east. There were no nursing homes or hospitals identified within 1,000 feet of the Site.

## 3.3 Regional Geology / Hydrogeology

The geologic setting of Long Island is well documented and consists of crystalline bedrock overlain by layers of unconsolidated deposits. According to geologic maps of the area created by the United States Geologic Survey (USGS), the bedrock in this area of Brooklyn is an igneous intrusive classified as the Ravenswood grano-diorite of middle Ordovician to middle Cambrian age. The depth to bedrock is greater than 100 feet below the surface. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays, deposited by glacial-fluvial activity. Non-native fill materials consisting of dredge spoils, rubble and / or other materials have been historically used to reinforce and extend shoreline areas and to raise and improve the drainage of low lying areas.

## 3.4 Site Geology / Hydrogeology

Subsurface soils at the Site consist of historic fill materials to a depth of approximately 3 foot below grade followed by native silty-sand. A fine to medium silty sand and coarse sand with gravel and pebbles, is present beneath the fill material and extends to the water table (12.61 to 14.35 ft) and depths of 40 feet. According to the USGS topographic map for the area (Brooklyn Quadrangle), the elevation of the property is approximately 16 feet above mean sea level. The topography within the immediate area slopes gradually from south to north.

Groundwater was reported to be at approximately 12.61 to 14.35 ft below grade. As confirmed by a survey, conducted by a licensed surveyor, groundwater flow is to the southeast.


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# 4.0 NATURE AND EXTENT OF CONTAMINATION

## 4.1 Identification of Source Areas

*Chlorinated VOCs*
CVOCs were reported above soil cleanup objectives in surface soil, soil above the groundwater interface and in soil within the groundwater at the Site. PCE and TCE were reported in the highest concentrations with PCE reported at 99,000 µg/kg in a 2-4 ft sample and TCE reported at 16,000 µg/kg in a 2-12 ft sample located in the west-central area of the Site. PCE and TCE ranging from 530 µg/kg to 15,000 µg/kg were reported in shallow soil (0-4 ft) throughout the Site. PCE ranging from 200 µg/kg to 640 µg/kg were noted in deep soil from 20-35 feet bsg. CVOCs including TCA, DCA, cis-1,2-DCE, 1,1-DEA, 1,1-DCE, chloroform, trans-1,2-DEC, vinyl chloride, TCE and PCE were reported above groundwater standards on the Site. Total CVOC concentrations ranged from 85.9 µg/L to 7,678 µg/L. The highest CVOC concentrations (CW3-I) were located in the southwest corner of the Site. A CVOC source in shallow soil is present on site and does not appear to have migrated downward to the water table.

*Petroleum SVOCs*
Elevated levels of SVOCs consistent with petroleum were reported in shallow soil and soil above the groundwater interface were noted at SB-1A (1-3') SB-3A (1-3'), SB-5A (2-4'), SS-1B (2-12') and SS-3A (0-2'). These locations are spread out across the Site. These elevated SVOC locations are the same locations in which elevated CVOCs were reported suggesting a release of petroleum in these areas as well. Total SVOCs range from non-detect to 13,010,000 µg/kg in SB-1A (1-13'). Deeper soil from 12-14 feet and 13-15 feet did not elevated SVOCs. Elevated SVOCs do not appear to be migrating into the groundwater.

*Fill Material*
Historic fill material has been identified across the Site varying in depth up to 3 ft bgs. Depending on location, the historic fill material contains VOCs, SVOCs, PCBs, pesticides and/or metals above Unrestricted Use SCOs, Restricted Residential SCOs, and/or Commercial SCOs.

## 4.2 Groundwater Impacts

Chlorinated VOCs, including TCA, DCA, cis-1,2-DCE, 1,1-DEA, 1,1-DCE, chloroform, trans-1,2-DEC, vinyl chloride, TCE and PCE are present in groundwater at the Site at concentrations greater than NYSDEC AWQS.

PCE has been detected above the AWQS of 5 µg/L in most groundwater samples. The highest concentrations of PCE were detected in monitoring well CW3-I at 7,300 µg/L (February 2021) and MW-C at 2,400 µg/L (June 2018), which are located in the southwestern corner of the Site.

The highest PCE concentration detected in groundwater during the sampling performed in 2021 was detected in CW3-I (7,300 µg/l) which is located on the southwest corner of the Site. The PCE concentration in the deep screened monitoring well (CW3-D) reduced to 200 µg/l. PCE detections above 1,000 µg/l were reported in monitoring wells located on the southeast and southwest corners of the Site, which included MW-C (2,400 µg/l) and CW4-D (1,400 µg/l).


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The highest TCE concentrations detected in groundwater was noted in the MW-C 2018 sample at 350 µg/l and MW-B 160 µg/l. MW-C is located in the southwestern corner of the Site and MW-B is centrally located on the east side of the Site. The highest TCE concentrations detected in groundwater during the sampling performed in 2021 were reported in monitoring wells located on the southeast and southwest corners of the Site which included CW4-D (63 µg/l), CW4-I (57 µg/l), CW3-I (45 µg/l).

Vinyl chloride was only detected above AWQS within on-Site groundwater samples collected in three locations MWB (2018 investigation), CW4-S (2021 investigation) and CW4-I (2021 investigation). These wells are located on the east side of the Site. The highest vinyl chloride concentration was detected at CW4-I at 200 µg/l. At CW4-D vinyl chloride was not detected.

Based on the concentrations, distribution of CVOCs in groundwater and direction of groundwater flow, dissolved CVOCs in the groundwater are originating from the adjacent property.

## 4.3 Soil-Vapor Impacts

Multiple VOCs were detected above the laboratory method detection limit in each of the soil gas samples. Total petroleum related volatile organic compounds were generally low throughout the Site ranging from 83.14 to 118.9 µg/m$^3$ in the soil gas samples.

CVOCs were reported in all soil gas samples. The total VOCs ranged from 3,160.77 µg/m$^3$ to 9,105.62 µg/m$^3$ in the soil gas samples.

PCE was detected in two of the three samples and was reported at a maximum concentration of 40.6 µg/m$^3$. TCE was detected in all samples with a maximum concentration of 1,470 µg/m$^3$. 1,1,1-TCA was detected in all samples at maximum concentration of 1,170 µg/m$^3$. Carbon Tetrachloride was detected in one sample at 32.3 µg/m$^3$.

CVOCs in soil and/or groundwater are off-gassing resulting in CVOCs in soil vapor.

## 4.4 Site Conceptual Model

CVOCs were reported above soil cleanup objectives in surface soil, soil above the groundwater interface and in soil within the groundwater at the Site. PCE and TCE were reported in the highest concentrations with PCE reported at 99,000 µg/kg in a 2-4 ft sample and TCE reported at 16,000 µg/kg in a 2-12 ft sample located in the west-central area of the Site. PCE and TCE ranging from 530 µg/kg to 15,000 µg/kg were reported in shallow soil (0-4 ft) throughout the Site. PCE ranging from 200 µg/kg to 640 µg/kg was noted in deep soil from 20-35 feet bgs. CVOCs including TCA, DCA, cis-1,2-DCE, 1,1-DEA, 1,1-DCE, chloroform, trans-1,2-DEC, vinyl chloride, TCE and PCE were reported above groundwater standards on the Site. Total CVOC concentrations ranged from 85.9 µg/L to 7,678 µg/L. The highest CVOC concentrations (CW3-I) were located in the southwest corner of the Site. A CVOC source in shallow soil is present on site. Based on the concentrations and distribution of CVOCs in groundwater, the CVOCs source in shallow soil does not appear to have migrated downward to the water table.

Elevated levels of SVOCs consistent with petroleum were reported in shallow soil and soil above the


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groundwater interface were noted at SB-1A (1-3') SB-3A (1-3'), SB-5A (2-4'), SS-1B (2-12') and SS-3A (0-2'). These locations are spread out across the Site. These elevated SVOC locations are the same locations in which elevated CVOCs were reported suggesting a release of petroleum in these areas as well. Total SVOCs range from ND to 13,010,000 µg/kg in SB-1A (1-13'). Deeper soil from 12-14 feet and 13-15 feet did not note elevated SVOCs. Elevated SVOCs do not appear to be migrating into the groundwater.

The release dates and scenarios are unknown; however, the contamination would likely have been related to the former paint mixing operations which occupied the southern portion of the Site from 1965 on and / or the auto repair operations on the northern portion of the Site. The release would have most likely have been related to an incidental release of solvent and petroleum which entered the subsurface through cracks, seams or penetrations in the concrete slab.

Based on the concentrations, distribution of CVOCs in groundwater and direction of groundwater flow, dissolved CVOCs in the groundwater are originating from the adjacent property.

CVOCs in groundwater would migrate in the direction of groundwater flow. CVOCs in soil and/or groundwater are off-gassing resulting in CVOCs in soil vapor.

# 5.0 QUALITATIVE EXPOSURE ASSESSMENT

The objective of the qualitative exposure assessment under the Brownfields Cleanup Program (BCP) is to identify potential receptors to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur. An exposure pathway has five elements; a contaminant source, release and transport mechanisms, point of exposure, route of exposure and a receptor population.

The potential exposure pathways identified below, represent both current and future exposure scenarios.

## 5.1 Contaminant Source

*Chlorinated VOCs*
CVOCs were reported above soil cleanup objectives in surface soil, soil above the groundwater interface and in soil within the groundwater at the Site. PCE and TCE were reported in the highest concentrations with PCE reported at 99,000 µg/kg in a 2-4 ft sample and TCE reported at 16,000 µg/kg in a 2-12 ft sample located in the west-central area of the Site. PCE and TCE ranging from 530 µg/kg to 15,000 µg/kg were reported in shallow soil (0-4 ft) throughout the Site. PCE ranging from 200 µg/kg to 640 µg/kg was noted in deep soil from 20-35 feet bgs. CVOCs including TCA, DCA, cis-1,2-DCE, 1,1-DEA, 1,1-DCE, chloroform, trans-1,2-DEC, vinyl chloride, TCE and PCE were reported above groundwater standards on the Site. Total CVOC concentrations ranged from 85.9 µg/L to 7,678 µg/L. The highest CVOC concentrations (CW3-I) were located in the southwest corner of the Site. A CVOC source in shallow soil is present on site. Based on the concentrations and distribution of CVOCs in groundwater, the CVOCs source in shallow soil do not appear to have migrated downward to the water table.

*Petroleum SVOCs*
Elevated levels of SVOCs consistent with petroleum were reported in shallow soil and soil above the groundwater interface were noted at SB-1A (1-3') SB-3A (1-3'), SB-5A (2-4'), SS-1B (2-12') and SS-3A (0-2'). These locations are spread out across the Site. These elevated SVOC locations are the same locations in which elevated CVOCs were reported suggesting a release of petroleum in these areas as well. Total SVOCs range from ND to 13,010,000 µg/kg in SB-1A (1-13'). Deeper soil from 12-14 feet and 13-15 feet did not note elevated SVOCs. Elevated SVOCs do not appear to be migrating into the groundwater.

*Fill Material*
Historic fill material has been identified across the Site varying in depth up to 3 ft bgs. Depending on location, the historic fill material contains VOCs, SVOCs, PCBs, pesticides and/or metals above Unrestricted Use SCOs, Restricted Residential SCOs, and/or Commercial SCOs.

## 5.2 Contaminant Release and Transport Mechanism

CVOCs were reported above soil cleanup objectives in surface soil, soil above the groundwater interface and in soil within the groundwater at the Site. PCE and TCE were reported in the highest

concentrations with PCE reported at 99,000 µg/kg in a 2-4 ft sample and TCE reported at 16,000 µg/kg in a 2-12 ft sample located in the west-central area of the Site. PCE and TCE ranging from 530 µg/kg to 15,000 µg/kg were reported in shallow soil (0-4 ft) throughout the Site. PCE ranging from 200 µg/kg to 640 µg/kg was noted in deep soil from 20-35 feet bgs. CVOCs including TCA, DCA, cis-1,2-DCE, 1,1-DEA, 1,1-DCE, chloroform, trans-1,2-DEC, vinyl chloride, TCE and PCE were reported above groundwater standards on the Site. Total CVOC concentrations ranged from 85.9 µg/L to 7,678 µg/L. The highest CVOC concentrations (CW3-I) were located in the southwest corner of the Site. A CVOC source in shallow soil is present on site. Based on the concentrations and distribution of CVOCs in groundwater, the CVOCs source in shallow soil does not appear to have migrated downward to the water table.

Elevated levels of SVOCs consistent with petroleum were reported in shallow soil and soil above the groundwater interface. These locations are spread out across the Site. These elevated SVOC locations are the same locations in which elevated CVOCs were reported suggesting a release of petroleum in these areas as well. Deeper soil from 12-14 feet and 13-15 feet did not note elevated SVOCs. Elevated SVOCs do not appear to be migrating into the groundwater.

The release dates and scenarios are unknown; however, the contamination would likely have been related to the former paint mixing operations which occupied the southern portion of the Site from 1965 on and / or the auto repair operations on the northern portion of the Site. The release would have most likely have been related to an incidental release of solvent and petroleum which entered the subsurface through cracks, seams or penetrations in the concrete slab.

Based on the concentrations, distribution of CVOCs in groundwater and direction of groundwater flow, dissolved CVOCs in the groundwater are originating from the adjacent property.

CVOCs in groundwater would migrate in the direction of groundwater flow. CVOCs in soil and/or groundwater are off-gassing resulting in CVOCs in soil vapor.

## 5.3 Point of Exposure, Route of Exposure and Potentially Exposed Populations

Potential On-Site Exposures: The Site is currently undeveloped and vacant. Therefore, potential on-Site exposures would be limited to construction/maintenance workers that may be employed to perform work on the property. Remediation workers and construction workers engaged in the excavation of impacted soil at the Site may be exposed to chlorinated VOCs, SVOCs and heavy metals through several routes. A site-specific Health and Safety Plan has been developed to identify and minimize the potential hazards to on-site workers. Site trespassers could also be exposed to impacted soil, however, security measures including an 8 ft high construction fence and 24 hr security will minimize potential exposure through this route. There is a potential for soil vapor intrusion related to CVOCs to impact indoor air quality in the new building if source removal is not performed.

Following construction of the new building, a soil vapor intrusion study should be performed to determine if further monitoring or mitigation is needed.

Potential Off-Site Exposures: CVOC impacted soil vapor and groundwater may impact off-Site

properties. Off-Site residents could also be exposed to dust or vapors during the excavation of impacted soil. A site-specific Community Air Monitoring Plan has been developed to identify and minimize the potential for off-site exposure to residents through continuous air monitoring during excavation activity.

The entire area is serviced by the New York City Water System which distributes water from the Croton Reservoir system. Since there are no public or private potable supply wells in the area, exposure from contact with tap water is not a concern. Off-site exposure is therefore limited to vapor intrusion from CVOCs. There appears to be a potential inhalation exposure to site contaminants via the soil vapor intrusion (SVI) pathway in both on and off-site structures.

Potential Off-Site Environmental Impacts: As previously discussed, there are no public or private potable supply wells in the area, and therefore no potential impacts to groundwater supplies. Based on the concentrations of dissolved CVOCs, there are no significant potential surface water impacts.

# 6.0 CONCLUSIONS AND RECOMENDATIONS

Based on the results of the investigation and the Qualitative Human Health Exposure Assessment, the following conclusions were made:

1. CVOCs were reported above soil cleanup objectives in surface and soil above the groundwater interface at the Site. PCE and TCE were reported in the highest concentrations with PCE reported at 99,000 µg/kg in a 2-4 ft sample and TCE reported at 16,000 µg/kg in a 2-12 ft sample located in the west-central area of the Site. PCE and TCE ranging from 530 µg/kg to 15,000 µg/kg were reported in shallow soil (0-4 ft) throughout the Site. PCE ranging from 200 µg/kg to 640 µg/kg was noted in deep soil from 20-35 feet bgs.

   CVOCs including TCA, DCA, cis-1,2-DCE, 1,1-DEA, 1,1-DCE, chloroform, trans-1,2-DEC, vinyl chloride, TCE and PCE were reported above groundwater standards on the Site. Total CVOC concentrations ranged from 85.9 µg/L to 7,678 µg/L. The highest CVOC concentrations (CW3-I) were located in the southwest corner of the Site.

   PCE has been detected above the AWQS of 5 µg/L in most groundwater samples. The highest concentrations of PCE were detected in monitoring well CW3-I at 7,300 µg/L (February 2021) and MW-C at 2,400µg/L (June 2018), which are located in the southwestern corner of the Site. The highest PCE concentration detected in groundwater during the sampling performed in 2021 was detected in CW3-I (7,300 µg/l) which is located on the southwest corner of the Site. The PCE concentration in the deep screened monitoring well (CW3-D) reduced to 200 µg/l. PCE detections above 1,000 µg/l were reported in monitoring wells located on the southeast and southwest corners of the Site, which included MW-C (2,400 µg/l) and CW4-D (1,400 µg/l).

   The highest TCE concentrations detected in groundwater was noted in the MW-C 2018 sample at 350 µg/l and MW-B 160 µg/l. MW-C is located in the southwestern corner of the Site and MW-B is centrally located on the east side of the Site. The highest TCE concentrations detected in groundwater during the sampling performed in 2021 were reported in monitoring wells located on the southeast and southwest corners of the Site which included CW4-D (63 µg/l), CW4-I (57 µg/l), CW3-I (45 µg/l).

   Vinyl chloride was only detected above AWQS within on-Site groundwater samples collected in three locations MWB (2018 investigation), CW4-S (2021 investigation) and CW4-I (2021 investigation). These wells are located on the east side of the Site. The highest vinyl chloride concentration was detected at CW4-I at 200 µg/l. At CW4-D vinyl chloride was not detected.

   A CVOC source in shallow soil is present on Site. Based on the concentrations and distribution of CVOCs in groundwater, the CVOCs source in shallow soil does not appear to have migrated downward to the water table.

2. Based on the concentrations, distribution of CVOCs in groundwater and direction of groundwater flow, dissolved CVOCs in the groundwater are originating from the adjacent property.

3. Elevated levels of SVOCs consistent with petroleum were reported in shallow soil and soil above the groundwater interface were noted at SB-1A (1-3') SB-3A (1-3'), SB-5A (2-4'), SS-1B (2-12') and SS-3A (0-2'). These locations are spread out across the Site. These elevated SVOC locations are the same locations in which elevated CVOCs were reported suggesting a release of petroleum in these areas as well. Total SVOCs range from ND to 13,010,000 ug/kg in SB-1A (1-13'). Deeper soil from 12-14 feet and 13-15 feet did not note elevated SVOCs. Elevated SVOCs do not appear to be migrating into the groundwater.

4. 1,4-dioxane (EPA Method 8260) was not within soil samples collected in the Supplemental Remedial Investigation. 1,4-dioxane (EPA Method 8260) was detected in groundwater samples, ranging from 0.2 µg/l to 5.9 µg/l. The 1,4-dioxane exceedances in groundwater are likely attributable to an off-Site source due to the lack of elevated 1,4-dioxane within the soil samples collected as part of the 2021 Supplemental Remedial Investigation.

5. Off-site residents or commercial workers in adjacent buildings could be exposed to vapors through the vapor intrusion pathway should remedial actions not be completed. This is a potential exposure pathway that will need to be addressed by the remedy. As part of the Supplemental Work Plan dated February 28, 2020 by EBC; a off-Site soil vapor intrusion investigation is required. As of June 1, 2021 a response permitting access to these properties has not been received. On June 1, 2021 access request letters were resent. Copies of all letters requesting access and documentation that these letters were sent certified mail are included in Appendix I.

6. No PFAS compounds were detected within any of the soil samples collected as part of the 2021 Supplemental Remedial Investigation. However, Perfluorooctanoic Acid (PFOA) was detected above the 10 ng/L screening level for PFOA as defined in NYSDECs *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*, dated January 2021, within 11 of the 12 groundwater samples and the duplicate collected as part of this Supplemental Remedial Investigation at a maximum concentration of 89.5 ng/L in CW4-S.

   Perfluorooctanesulfonic Acid (PFOS) was detected above the 10 ng/L screening level for PFOA as defined in NYSDECs *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*, dated January 2021, within 12 of the 12 groundwater samples and the duplicate collected as part of this Supplemental Remedial Investigation at a maximum concentration of 116 ng/L in CW1-S.

   1,4-dioxane was detected in 8 of the 12 groundwater samples and the duplicated collected as part of this Supplemental Remedial Investigation at a maximum concentration of 5.9 ug/L in CW4-I.

   No other individual PFAS compounds were detected in any of the groundwater samples at or above the 100 ng/L screening level, and none of the groundwater samples had a total PFAS (including PFOA and PFOS) concentration at or above the 500 ng/L screening level.

   The PFOA and PFOS screening level exceedances in groundwater are likely attributable to

an off-Site source due to the lack of elevated PFOA or PFOS within the soil samples collected as part of the 2021 Supplemental Remedial Investigation.

7. Exceedances of contaminants of concern were found on- and directly off-site at depth. Additional off-site delineation is warranted to find the extent of the groundwater and soil vapor contamination. Future remedial action must address groundwater and soil vapor contamination emanating from the site.

The qualitative exposure assessment identified potential completed routes of exposure to construction workers and remediation workers through inhalation, ingestion and dermal contact of CVOCs, SVOCs and heavy metals during excavation activities. The Health and Safety Plan prepared for the site identifies such exposures and provides instructions for on-site workers to minimize potential exposure. Occupants in the proposed on-Site building may be exposed to CVOCs through the vapor intrusion pathway if the identified source areas are not removed or otherwise remediated.

Recommendations include the excavation and disposal of CVOC soil and petroleum related SVOC soil. This work would be performed under an approved Remedial Action Work Plan which includes a Soil Management Plan, a Construction Health and Safety Plan, and a Community Air Monitoring Plan.

# 7.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-1, 375-3 and 375-6.

Environmental Business Consultants, Supplemental *Remedial Investigation Work Plan* – February 2020.

NYSDEC, Division of Environmental Remediation, May 2004, *Draft Brownfield Program Cleanup Guide.*

NYSDEC, Division of Environmental Remediation, December 2002, *DER-10, Technical Guidance for Site Investigation and Remediation.*

NYSDEC, Division of Environmental Remediation, December 14, 2006, *6 NYCRR Part 375, Environmental Remediation Programs, subparts 375-1 to 375-4 & 375-6.*

NYSDEC, Division of Water, June 1998, Addendum April 2000*, Technical and Administrative Guidance Series 1:1:1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*

NYSDEC, January 2021, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*.

NYSDOH, Center for Environmental Health, October 2006, *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York.*



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# ***TABLES***

**TABLE 1**
**SUMMARY OF**
**SAMPLING PROGRAM RATIONALE AND ANALYSIS**

| Matrix | Location | Approximate Number of Samples | Frequency | Rationale for Sampling | Laboratory Analysis | Duplicates | Equipment / Materials Rinsate Blank | Matrix Spikes | Spike Duplicates | Trip Blanks |
|---|---|---|---|---|---|---|---|---|---|---|
| Soil | On Site; Soil Borings on South Side of the Site; SB20-01 and SB20-02 | 6 | As per DEC, 3 sampling intervals per boring; 20-25 ft, 25-30ft and 30-35 ft | vertically delineate on-site contamination | VOCs by 8260C / 5035, 1,4-dioxane by USEPA method 8270 and 21 PFA Compounds by USEPA method 537.1 | 1 per day | 1 per day | 1 per 20 samples | 1 per 20 samples | 1 per trip |
| Groundwater | On Site; Samples will be collected from the all wells | 12 | As per DEC; Samples will be collected from each of the wells | delineate on-site contamination | VOCs EPA Method 8260C / 5035, 1,4-dioxane by USEPA Method 8270 with SIM Isotope Dilution and 21 PFA Compounds by USEPA Method 537.1 | 1 per day | 1 per day | 1 per 20 samples | 1 per 20 samples | 1 per trip |

Table 2
480 Flushing Site
480 Flushing Avenue,
Brooklyn, New York
Soil Boring / Well Information

| SAMPLE ID | Date | Total Depth (ft) | Diameter (in) | Construction Materials | Screen Length (ft) | DTW(ft) (3/15/2021) | Survey Elevation (4/9/2021) | GW ELV |
|---|---|---|---|---|---|---|---|---|
| SB20-01 | 1/25/2021 | 35 | 6 | Geoprobe 8140 LC | - | - | - | - |
| SB20-02 | 1/25/2021 | 35 | 6 | Geoprobe 8140 LC | - | - | - | - |
| | | | | | | | | |
| CW1 - S | 1/25/2021 | 22 | 2 | PVC | 10.00 | 13.70 | 14.53 | 0.83 |
| CW1 - I | 1/25/2021 | 30 | 2 | PVC | 5.00 | 13.99 | 14.81 | - |
| CW1 - D | 1/25/2021 | 40 | 2 | PVC | 5.00 | 13.55 | 14.38 | - |
| CW2 - S | 1/26/2021 | 22 | 2 | PVC | 10.00 | 12.92 | 13.73 | 0.81 |
| CW2 - I | 1/26/2021 | 30 | 2 | PVC | 5.00 | 12.88 | 13.68 | - |
| CW2 - D | 1/25/2021 | 40 | 2 | PVC | 5.00 | 12.61 | 13.41 | - |
| CW3 - S | 1/26/2021 | 22 | 2 | PVC | 10.00 | 13.23 | 14.05 | 0.82 |
| CW3 - I | 1/26/2021 | 30 | 2 | PVC | 5.00 | 13.22 | 14.11 | - |
| CW3 - D | 1/26/2021 | 40 | 2 | PVC | 5.00 | 13.35 | 14.19 | - |
| CW4 - S | 1/26/2021 | 22 | 2 | PVC | 10.00 | 13.11 | 13.91 | 0.80 |
| CW4 - I | 1/26/2021 | 30 | 2 | PVC | 5.00 | 13.16 | 13.99 | - |
| CW4 - D | 1/26/2021 | 40 | 2 | PVC | 5.00 | 13.2 | 14.01 | - |

Table 3
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | NYDEC Part 375.6 Commercial Soil Cleanup Objectives* | Alpha-Hydro Environmental Limited Phase II | | | Laurel Environmental Associates, LTD SCR | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SP-1 | SP-2 | SP-3 | SB-1A | | SB-1B | | SB-2A | |
| | | | | (6-8') | (6-8') | (6-8') | (1-3') | | (12-14') | | (4-6') | |
| | | | | 7/11/2014 | 7/12/2014 | 7/13/2014 | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | |
| | | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | | mg/Kg | | mg/Kg | |
| | mg/Kg | mg/Kg | mg/Kg | Result | Result | Result | Result | RL | Result | RL | Result | RL |
| 1,1,1,2-Tetrachlorothane | | | | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| 1,1,1-Trichloroethane | 0.680 | 100.000 | 500.000 | ND | ND | ND | **0.048J** | 0.13 | ND | 0.0024 | ND | 0.0014 |
| 1,1,2,2-Tetrachloroethane | | | | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| 1,1,2-Trichloroethane | | | | ND | ND | ND | ND | 0.19 | ND | 0.0036 | ND | 0.002 |
| 1,1-Dichloroethane | 0.270 | 26.000 | 240.000 | ND | ND | ND | ND | 0.19 | ND | 0.0036 | ND | 0.002 |
| 1,1-Dichloroethene | 0.330 | 100.000 | 500.000 | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| 1,1-Dichloropropene | | | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| 1,2,3-Trichlorobenzene | | | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| 1,2,3-Trichloropropane | | | | ND | ND | ND | ND | 1 | ND | 0.024 | ND | 0.014 |
| 1,2,4-Trichlorobenzene | | | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| 1,2,4-Trimethylbenzene | 36.000 | 52.000 | 190.000 | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| 1,2,4,5-Tetramethylbenzene | | | | - | - | - | ND | 0.51 | ND | 0.0095 | ND | 0.0055 |
| 1,2-Dibromo-3-chloropropane | | | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| 1,2-Dibromomethane | | | | ND | ND | ND | ND | 0.51 | ND | 0.0095 | ND | 0.0055 |
| 1,2-Dichlorobenzene | 1.100 | 100.000 | 500.000 | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| 1,2-Dichloroethane | 0.020 | 3.100 | 30.000 | ND | ND | ND | **0.15** | 0.13 | ND | 0.0024 | ND | 0.0014 |
| 1,2-Dichloropropane | | | | ND | ND | ND | ND | 0.45 | ND | 0.0083 | ND | 0.0048 |
| 1,3,5-Trimethylbenzene | 8.400 | 52.000 | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| 1,3-Dichlorobenzene | 2.400 | 4.900 | 280.000 | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| 1,3-Dichloropropane | | | | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| 1,4-Dichlorobenzene | 1.800 | 13.000 | 130.000 | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| 1,4-Dioxane | 0.100 | 13.000 | 130.000 | ND | ND | ND | ND | 5 | ND | 0.095 | ND | 0.055 |
| 2,2-Dichloropropane | | | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| 2-Chlorotoluene | | | | ND | ND | ND | - | - | - | - | - | - |
| 2-Hexanone (Methyl Butyl Ketone) | | | | - | - | - | ND | 1 | ND | 0.024 | ND | 0.014 |
| 2-Isopropyltoluene | | | | - | - | - | - | - | - | - | - | - |
| 4-Chlorotoluene | | | | ND | ND | ND | - | - | - | - | - | - |
| 4-Methyl-2-Pentanone | | | | - | - | - | ND | 1 | ND | 0.024 | ND | 0.014 |
| Acetone | 0.050 | 100.000 | 500.000 | ND | **0.031** | **0.034** | ND | 1 | **0.011** | 0.024 | **0.0034** | 0.014 |
| Acrolein | | | | - | **-** | **-** | - | - | - | - | - | - |
| Acrylonitrile | | | | - | - | - | ND | 1 | ND | 0.024 | ND | 0.014 |
| Benzene | 0.060 | 4.800 | 44.000 | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| Bromobenzene | | | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| Bromochloromethane | | | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| Bromodichloromethane | | | | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| Bromoform | | | | ND | ND | ND | ND | 0.51 | ND | 0.0095 | ND | 0.0055 |
| Bromomethane | | | | ND | ND | ND | ND | 0.26 | ND | 0.0048 | ND | 0.0027 |
| Carbon Disulfide | | | | - | - | - | ND | 1 | ND | 0.024 | ND | 0.014 |
| Carbon tetrachloride | 0.760 | 2.400 | 22.000 | ND | ND | ND | ND | 0.19 | ND | 0.0024 | ND | 0.0014 |
| Chlorobenzene | 1.100 | 100.000 | 500.000 | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| Chloroethane | | | | ND | ND | ND | ND | 0.26 | ND | 0.0048 | ND | 0.0027 |
| Chloroform | 0.370 | 49.000 | 350.000 | ND | ND | ND | ND | 0.19 | ND | 0.0036 | ND | 0.002 |
| Chloromethane | | | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| cis-1,2-Dichloroethene | 0.250 | 100.000 | 500.000 | ND | ND | **0.0055 J** | **0.15** | 0.13 | ND | 0.024 | ND | 0.0014 |
| cis-1,3-Dichloropropene | | | | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| Dibromochloromethane | | | | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| Dibromomethane | | | | ND | ND | ND | ND | 1 | ND | 0.024 | ND | 0.014 |
| Dichlorodifluoromethane | | | | ND | ND | ND | ND | 1 | ND | 0.024 | ND | 0.014 |
| Ethyl ether | | | | - | - | - | ND | 1 | ND | 0.012 | ND | 0.0068 |
| Ethylbenzene | 1.000 | 41.000 | 390.000 | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| Hexachlorobutadiene | | | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| Isopropylbenzene | | | | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| m&p-Xylenes | 0.260 | 100.000 | 500.000 | - | - | - | ND | 0.26 | ND | 0.0048 | ND | 0.0027 |
| Methyl Ethyl Ketone (2-Butanone) | 0.120 | 100.000 | 500.000 | ND | ND | ND | ND | 1 | ND | 0.024 | ND | 0.014 |
| Methyl t-butyl ether (MTBE) | 0.930 | 100.000 | 500.000 | ND | ND | ND | ND | 0.26 | ND | 0.0048 | ND | 0.0027 |
| Methylene chloride | 0.050 | 100.000 | 500.000 | ND | ND | 6.2 J | ND | 1 | ND | 0.024 | ND | 0.014 |
| Naphthalene | | | | ND | **0.054 CCV-E, B** | **0.051 CCV-E, B** | **0.95** | 0.64 | **0.00044** | 0.012 | ND | 0.0068 |
| n-Butylbenzene | 12.000 | 100.000 | 500.000 | ND | ND | ND | ND | 0.13 | ND | 0.024 | ND | 0.0014 |
| n-Propylbenzene | 3.900 | 100.000 | 500.000 | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| o-Chlorotoluene | | | | - | - | - | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| o-Xylene | 0.260 | 100.000 | 500.000 | ND | ND | **0.0062** | ND | 0.26 | ND | 0.0048 | ND | 0.0027 |
| p-Chlorotoluene | | | | - | - | **-** | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| p-Diethylbenzene | | | | - | - | **-** | ND | 0.51 | ND | 0.0095 | ND | 0.0055 |
| p-Ethyltoluene | | | | - | - | **-** | ND | 0.51 | ND | 0.0095 | ND | 0.0055 |
| p-Isopropyltoluene | | | | ND | ND | ND | ND | 0.64 | ND | 0.0024 | ND | 0.0014 |
| sec-Butylbenzene | 11.000 | 100.000 | 500.000 | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| Styrene | | | | ND | ND | ND | ND | 0.26 | ND | 0.0048 | ND | 0.00055 |
| Tert-butyl alcohol | | | | - | - | - | - | - | - | - | - | - |
| tert-Butylbenzene | 5.900 | 100.000 | 500.000 | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| Tetrachloroethene | 0.120 | 100.000 | 500.000 | ND | **0.098 CCV-E** | **0.055 CCV-E** | **8.5** | 0.13 | ND | 0.0024 | **0.0013J** | 0.0014 |
| Tetrahydrofuran (THF) | | | | - | - | - | - | - | - | - | - | - |
| Toluene | 0.700 | 100.000 | 500.000 | ND | ND | ND | ND | 0.19 | ND | 0.0036 | **0.00035J** | 0.002 |
| trans-1,2-Dichloroethene | 0.190 | 100.000 | 500.000 | ND | ND | ND | ND | 0.19 | ND | 0.0036 | ND | 0.002 |
| trans-1,3-Dichloropropene | | | | ND | ND | ND | ND | 0.13 | ND | 0.0024 | ND | 0.0014 |
| trans-1,4-dichloro-2-butene | | | | - | - | - | ND | 0.64 | - | - | ND | 0.0068 |
| Trichloroethene | 0.470 | 21.000 | 200.000 | ND | **0.0070 J** | ND | **3** | 0.13 | ND | 0.0024 | **0.00096 J** | 0.0014 |
| Trichlorofluoromethane | | | | ND | ND | ND | ND | 0.64 | ND | 0.012 | ND | 0.0068 |
| Trichlorotrifluoroethane | | | | - | - | - | - | - | - | - | - | - |
| Vinyl Acetate | | | | ND | ND | ND | ND | 1 | ND | 0.024 | ND | 0.014 |
| Vinyl Chloride | 0.020 | 0.900 | 13.000 | ND | ND | ND | ND | 0.26 | ND | 0.0048 | ND | 0.0027 |
| **Total BTEX Concentration** | | | | **0** | **0** | **0.0062** | **0** | | **0** | | **0** | |
| **Total VOCs Concentration** | | | | **0** | **0.031** | **0.0402** | **12.75** | | **0.01144** | | **0.0034** | |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 3
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SB-2B | | SB-3A | | SB-3B | | SB-4A | | SB-4B | | SB-5A | |
| | | | (13-15') | | (1-3') | | (11-13') | | (5-7') | | (13-15') | | (2-4') | |
| | | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | |
| | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | mg/Kg | mg/Kg | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| 1,1,1,2-Tetrachlorothane | | | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| 1,1,1-Trichloroethane | 0.680 | 100.000 | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | **3** | 0.73 |
| 1,1,2,2-Tetrachloroethane | | | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| 1,1,2-Trichloroethane | | | ND | 0.0021 | ND | 0.14 | ND | 0.0028 | ND | 0.0019 | ND | 0.0034 | ND | 1.1 |
| 1,1-Dichloroethane | 0.270 | 26.000 | ND | 0.0021 | ND | 0.14 | ND | 0.0028 | ND | 0.0019 | ND | 0.0034 | ND | 1.1 |
| 1,1-Dichloroethene | 0.330 | 100.000 | ND | 0.0014 | ND | 0.95 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| 1,1-Dichloropropene | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| 1,2,3-Trichlorobenzene | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| 1,2,3-Trichloropropane | | | ND | 0.014 | ND | 0.95 | ND | 0.019 | ND | 0.013 | ND | 0.0022 | ND | 7.3 |
| 1,2,4-Trichlorobenzene | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| 1,2,4-Trimethylbenzene | 36.000 | 52.000 | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| 1,2,4,5-Tetramethylbenzene | | | ND | 0.0056 | ND | 0.38 | ND | 0.0075 | ND | 0.0051 | ND | 0.0089 | ND | 2.9 |
| 1,2-Dibromo-3-chloropropane | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| 1,2-Dibromomethane | | | ND | 0.0056 | ND | 0.38 | ND | 0.0075 | ND | 0.0051 | ND | 0.0089 | ND | 2.9 |
| 1,2-Dichlorobenzene | 1.100 | 100.000 | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| 1,2-Dichloroethane | 0.020 | 3.100 | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| 1,2-Dichloropropane | | | ND | 0.0049 | ND | 0.33 | ND | 0.0066 | ND | 0.0044 | ND | 0.0078 | ND | 2.6 |
| 1,3,5-Trimethylbenzene | 8.400 | 52.000 | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| 1,3-Dichlorobenzene | 2.400 | 4.900 | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| 1,3-Dichloropropane | | | ND | 0.0014 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.0022 | ND | 0.0013 |
| 1,4-Dichlorobenzene | 1.800 | 13.000 | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| 1,4-Dioxane | 0.100 | 13.000 | ND | 0.056 | ND | 3.8 | ND | 0.075 | ND | 0.051 | ND | 0.089 | ND | 29 |
| 2,2-Dichloropropane | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| 2-Chlorotoluene | | | - | - | - | - | - | - | - | - | - | - | - | - |
| 2-Hexanone (Methyl Butyl Ketone) | | | ND | 0.014 | ND | 0.95 | ND | 0.019 | ND | 0.013 | ND | 0.022 | ND | 7.3 |
| 2-Isopropyltoluene | | | - | - | - | - | - | - | - | - | - | - | - | - |
| 4-Chlorotoluene | | | - | - | - | - | - | - | - | - | - | - | - | - |
| 4-Methyl-2-Pentanone | | | ND | 0.014 | ND | 0.95 | ND | 0.019 | ND | 0.013 | ND | 0.022 | ND | 7.3 |
| Acetone | 0.050 | 100.000 | ND | 0.014 | ND | 0.95 | **0.01** | 0.019 | ND | 0.013 | **0.037** | 0.022 | ND | 7.3 |
| Acrolein | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Acrylonitrile | | | ND | 0.014 | ND | 0.95 | ND | 0.019 | ND | 0.013 | ND | 0.022 | ND | 7.3 |
| Benzene | 0.060 | 4.800 | ND | 0.0014 | ND | 0.095 | ND | 0.019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| Bromobenzene | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| Bromochloromethane | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| Bromodichloromethane | | | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| Bromoform | | | ND | 0.0056 | ND | 0.38 | ND | 0.0075 | ND | 0.0051 | ND | 0.089 | ND | 2.9 |
| Bromomethane | | | ND | 0.0028 | ND | 0.19 | ND | 0.0038 | ND | 0.0025 | ND | 0.0045 | ND | 1.5 |
| Carbon Disulfide | | | ND | 0.014 | ND | 0.95 | ND | 0.019 | ND | 0.013 | ND | 0.022 | ND | 7.3 |
| Carbon tetrachloride | 0.760 | 2.400 | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| Chlorobenzene | 1.100 | 100.000 | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| Chloroethane | | | ND | 0.0028 | ND | 0.19 | ND | 0.0038 | ND | 0.0025 | ND | 0.0045 | ND | 1.5 |
| Chloroform | 0.370 | 49.000 | ND | 0.0021 | ND | 0.14 | ND | 0.0028 | ND | 0.0019 | ND | 0.0034 | ND | 1.1 |
| Chloromethane | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| cis-1,2-Dichloroethene | 0.250 | 100.000 | **0.00074** | 0.0014 | ND | 0.095 | **0.002** | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| cis-1,3-Dichloropropene | | | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| Dibromochloromethane | | | ND | 0.00014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| Dibromomethane | | | ND | 0.014 | ND | 0.95 | ND | 0.019 | ND | 0.013 | ND | 0.022 | ND | 7.3 |
| Dichlorodifluoromethane | | | ND | 0.014 | ND | 0.95 | ND | 0.019 | ND | 0.013 | ND | 0.022 | ND | 7.3 |
| Ethyl ether | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.0089 | ND | 3.6 |
| Ethylbenzene | 1.000 | 41.000 | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.00022 | ND | 0.0022 | ND | 0.73 |
| Hexachlorobutadiene | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| Isopropylbenzene | | | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| m&p-Xylenes | 0.260 | 100.000 | ND | 0.0028 | ND | 0.19 | ND | 0.0038 | ND | 0.0025 | ND | 0.0045 | ND | 1.5 |
| Methyl Ethyl Ketone (2-Butanone) | 0.120 | 100.000 | ND | 0.014 | ND | 0.95 | ND | 0.019 | ND | 0.013 | **0.0034 J** | 0.022 | ND | 7.3 |
| Methyl t-butyl ether (MTBE) | 0.930 | 100.000 | ND | 0.0028 | ND | 0.19 | ND | 0.0038 | ND | 0.0025 | ND | 0.0045 | ND | 1.5 |
| Methylene chloride | 0.050 | 100.000 | ND | 0.014 | ND | 0.95 | ND | 0.019 | ND | 0.013 | ND | 0.022 | ND | 7.3 |
| Naphthalene | | | ND | 0.007 | **0.100 J** | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | **1.800 J** | 3.6 |
| n-Butylbenzene | 12.000 | 100.000 | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| n-Propylbenzene | 3.900 | 100.000 | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| o-Chlorotoluene | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| o-Xylene | 0.260 | 100.000 | ND | 0.0028 | ND | 0.19 | ND | 0.0038 | ND | 0.0025 | ND | 0.0045 | ND | 1.5 |
| p-Chlorotoluene | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| p-Diethylbenzene | | | ND | 0.0056 | ND | 0.38 | ND | 0.0075 | ND | 0.0051 | ND | 0.0089 | ND | 2.9 |
| p-Ethyltoluene | | | ND | 0.0056 | ND | 0.38 | ND | 0.0075 | ND | 0.0051 | ND | 0.0089 | ND | 2.9 |
| p-Isopropyltoluene | | | ND | 0.0014 | ND | 0.95 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| sec-Butylbenzene | 11.000 | 100.000 | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.0013 | ND | 0.0022 | ND | 0.73 |
| Styrene | | | ND | 0.0028 | ND | 0.19 | ND | 0.0038 | ND | 0.0025 | ND | 0.0045 | ND | 1.5 |
| Tert-butyl alcohol | | | - | - | - | - | - | - | - | - | - | - | - | - |
| tert-Butylbenzene | 5.900 | 100.000 | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| Tetrachloroethene | 0.120 | 100.000 | **0.0067** | 0.0014 | **2.5** | 0.095 | **0.0079** | 0.0019 | **0.0025** | 0.0013 | **0.045** | 0.0022 | **99** | 0.73 |
| Tetrahydrofuran (THF) | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Toluene | 0.700 | 100.000 | ND | 0.0021 | ND | 0.14 | **0.00049J** | 0.0028 | **0.00028J** | 0.00025 | **0.00051J** | 0.0034 | ND | 1.1 |
| trans-1,2-Dichloroethene | 0.190 | 100.000 | ND | 0.0021 | ND | 0.14 | ND | 0.0028 | ND | 0.0019 | ND | 0.0034 | ND | 1.1 |
| trans-1,3-Dichloropropene | | | ND | 0.0014 | ND | 0.095 | ND | 0.0019 | ND | 0.00026 | ND | 0.0022 | ND | 0.73 |
| trans-1,4-dichloro-2-butene | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| Trichloroethene | 0.470 | 21.000 | **0.0047** | 0.0014 | **1.2** | 0.095 | **0.0042** | 0.0019 | **0.00062 J** | 0.0013 | **0.0041** | 0.0022 | **15** | 0.73 |
| Trichlorofluoromethane | | | ND | 0.007 | ND | 0.48 | ND | 0.0094 | ND | 0.0063 | ND | 0.011 | ND | 3.6 |
| Trichlorotrifluoroethane | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Vinyl Acetate | | | ND | 0.014 | ND | 0.95 | ND | 0.019 | ND | 0.013 | ND | 0.022 | ND | 7.3 |
| Vinyl Chloride | 0.020 | 0.900 | ND | 0.0028 | ND | 0.19 | ND | 0.0038 | ND | 0.002.5 | ND | 0.0045 | ND | 1.5 |
| **Total BTEX Concentration** | | | **0** | | **0** | | **0** | | **0** | | **0** | | **0** | |
| **Total VOCs Concentration** | | | **0.01214** | | **3.7** | | **0.0241** | | **0.0025** | | **0.0861** | | **117** | |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 3
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SB-5B | | SB-6A | | SB-6B | | SB-7A | | SB-7B | | SB-8A | |
| | | | (12-14') | | (4-6') | | (13-15') | | (4-6') | | (12-14') | | (8-10') | |
| | | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | |
| | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | mg/Kg | mg/Kg | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| 1,1,1,2-Tetrachlorothane | | | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| 1,1,1-Trichloroethane | 0.680 | 100.000 | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | **0.006** | 0.0012 | **0.0047** | 0.0013 | **0.0073** | 0.0018 |
| 1,1,2,2-Tetrachloroethane | | | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| 1,1,2-Trichloroethane | | | ND | 0.0019 | ND | 0.0019 | ND | 0.002 | ND | 0.0018 | ND | 0.002 | ND | 0.0027 |
| 1,1-Dichloroethane | 0.270 | 26.000 | ND | 0.0019 | ND | 0.0019 | ND | 0.002 | **0.00041J** | 0.0018 | **0.00058J** | 0.002 | **0.0013J** | 0.0027 |
| 1,1-Dichloroethene | 0.330 | 100.000 | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| 1,1-Dichloropropene | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| 1,2,3-Trichlorobenzene | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| 1,2,3-Trichloropropane | | | ND | 0.012 | ND | 0.013 | ND | 0.013 | ND | 0.012 | ND | 0.013 | ND | 0.018 |
| 1,2,4-Trichlorobenzene | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| 1,2,4-Trimethylbenzene | 36.000 | 52.000 | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.059 | ND | 0.0066 | ND | 0.0091 |
| 1,2,4,5-Tetramethylbenzene | | | ND | 0.005 | ND | 0.0052 | ND | 0.0054 | ND | 0.0047 | ND | 0.0053 | ND | 0.0073 |
| 1,2-Dibromo-3-chloropropane | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| 1,2-Dibromomethane | | | ND | 0.005 | ND | 0.0052 | ND | 0.0013 | ND | 0.0047 | ND | 0.0053 | ND | 0.0073 |
| 1,2-Dichlorobenzene | 1.100 | 100.000 | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| 1,2-Dichloroethane | 0.020 | 3.100 | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| 1,2-Dichloropropane | | | ND | 0.0044 | ND | 0.0045 | ND | 0.0047 | ND | 0.0041 | ND | 0.0046 | ND | 0.0064 |
| 1,3,5-Trimethylbenzene | 8.400 | 52.000 | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| 1,3-Dichlorobenzene | 2.400 | 4.900 | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| 1,3-Dichloropropane | | | ND | 0.0012 | ND | 0.0013 | ND | 0.0067 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| 1,4-Dichlorobenzene | 1.800 | 13.000 | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| 1,4-Dioxane | 0.100 | 13.000 | ND | 0.05 | ND | 0.052 | ND | 0.054 | ND | 0.0047 | ND | 0.053 | ND | 0.073 |
| 2,2-Dichloropropane | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| 2-Chlorotoluene | | | - | - | - | - | - | - | - | - | - | - | - | - |
| 2-Hexanone (Methyl Butyl Ketone) | | | ND | 0.012 | ND | 0.013 | ND | 0.0013 | ND | 0.012 | ND | 0.013 | ND | 0.018 |
| 2-Isopropyltoluene | | | - | - | - | - | - | - | - | - | - | - | - | - |
| 4-Chlorotoluene | | | - | - | - | - | - | - | - | - | - | - | - | - |
| 4-Methyl-2-Pentanone | | | ND | 0.012 | ND | 0.013 | ND | 0.0013 | ND | 0.012 | ND | 0.013 | ND | 0.018 |
| Acetone | 0.050 | 100.000 | **0.0044 J** | 0.012 | ND | 0.013 | ND | 0.0013 | **0.0042 J** | 0.012 | **0.0081 J** | 0.013 | **0.057** | 0.018 |
| Acrolein | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Acrylonitrile | | | ND | 0.012 | ND | 0.013 | ND | 0.013 | ND | 0.012 | ND | 0.013 | ND | 0.018 |
| Benzene | 0.060 | 4.800 | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| Bromobenzene | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| Bromochloromethane | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| Bromodichloromethane | | | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| Bromoform | | | ND | 0.005 | ND | 0.0052 | ND | 0.0054 | ND | 0.0047 | ND | 0.0053 | ND | 0.0073 |
| Bromomethane | | | ND | 0.0025 | ND | 0.0026 | ND | 0.0027 | ND | 0.0024 | ND | 0.0026 | ND | 0.0036 |
| Carbon Disulfide | | | ND | 0.012 | ND | 0.013 | ND | 0.013 | ND | 0.012 | ND | 0.013 | ND | 0.018 |
| Carbon tetrachloride | 0.760 | 2.400 | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| Chlorobenzene | 1.100 | 100.000 | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| Chloroethane | | | ND | 0.0025 | ND | 0.0026 | ND | 2.7 | ND | 0.0024 | ND | 0.0026 | ND | 0.0036 |
| Chloroform | 0.370 | 49.000 | ND | 0.0019 | ND | 0.0019 | ND | 0.002 | ND | 0.0018 | ND | 0.002 | ND | 0.0027 |
| Chloromethane | | | ND | 0.0063 | ND | 0.004 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| cis-1,2-Dichloroethene | 0.250 | 100.000 | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | **0.017** | 0.0012 | **0.013** | 0.0013 | ND | 0.0018 |
| cis-1,3-Dichloropropene | | | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| Dibromochloromethane | | | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| Dibromomethane | | | ND | 0.012 | ND | 0.013 | ND | 0.013 | ND | 0.012 | ND | 0.013 | ND | 0.0018 |
| Dichlorodifluoromethane | | | ND | 0.012 | ND | 0.013 | ND | 0.013 | ND | 0.012 | ND | 0.013 | ND | 0.0018 |
| Ethyl ether | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| Ethylbenzene | 1.000 | 41.000 | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| Hexachlorobutadiene | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| Isopropylbenzene | | | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| m&p-Xylenes | 0.260 | 100.000 | ND | 0.0025 | ND | 0.0026 | ND | 0.0027 | ND | 0.0024 | ND | 0.0026 | ND | 0.0036 |
| Methyl Ethyl Ketone (2-Butanone) | 0.120 | 100.000 | ND | 0.012 | ND | 0.013 | ND | 0.013 | ND | 0.012 | ND | 0.013 | **0.0044** | 0.018 |
| Methyl t-butyl ether (MTBE) | 0.930 | 100.000 | ND | 0.0025 | ND | 0.0026 | ND | 0.0027 | ND | 0.0024 | ND | 0.0026 | ND | 0.0036 |
| Methylene chloride | 0.050 | 100.000 | ND | 0.012 | ND | 0.013 | ND | 0.013 | ND | 0.012 | ND | 0.013 | ND | 0.018 |
| Naphthalene | | | **0.0014 J** | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| n-Butylbenzene | 12.000 | 100.000 | ND | 0.0012 | ND | 0.0064 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| n-Propylbenzene | 3.900 | 100.000 | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| o-Chlorotoluene | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| o-Xylene | 0.260 | 100.000 | ND | 0.0025 | ND | 0.0026 | ND | 0.0027 | ND | 0.0024 | ND | 0.0026 | ND | 0.0036 |
| p-Chlorotoluene | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| p-Diethylbenzene | | | ND | 0.005 | ND | 0.0052 | ND | 0.0054 | ND | 0.0047 | ND | 0.0053 | ND | 0.0073 |
| p-Ethyltoluene | | | ND | 0.005 | ND | 0.0052 | ND | 0.0054 | ND | 0.0047 | ND | 0.0053 | ND | 0.0073 |
| p-Isopropyltoluene | | | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| sec-Butylbenzene | 11.000 | 100.000 | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| Styrene | | | ND | 0.0025 | ND | 0.0026 | ND | 0.0027 | ND | 0.0024 | ND | 0.0026 | ND | 0.0036 |
| Tert-butyl alcohol | | | - | - | - | - | - | - | - | - | - | - | - | - |
| tert-Butylbenzene | 5.900 | 100.000 | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| Tetrachloroethene | 0.120 | 100.000 | **0.0029** | 0.0012 | **0.0012J** | 0.0013 | **0.0084** | 0.0013 | **0.034** | 0.0012 | **0.11** | 0.0013 | **0.001J** | 0.0018 |
| Tetrahydrofuran (THF) | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Toluene | 0.700 | 100.000 | ND | 0.0019 | ND | 0.0019 | ND | 0.002 | ND | 0.0018 | ND | 0.002 | **0.00052J** | 0.0027 |
| trans-1,2-Dichloroethene | 0.190 | 100.000 | ND | 0.0019 | ND | 0.0019 | ND | 0.002 | ND | 0.0018 | ND | 0.002 | ND | 0.0027 |
| trans-1,3-Dichloropropene | | | ND | 0.0012 | ND | 0.0013 | ND | 0.0013 | ND | 0.0012 | ND | 0.0013 | ND | 0.0018 |
| trans-1,4-dichloro-2-butene | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| Trichloroethene | 0.470 | 21.000 | **0.0038** | 0.0012 | ND | 0.0013 | **0.0012 J** | 0.0013 | **0.014** | 0.0012 | **0.018** | 0.0013 | ND | 0.0018 |
| Trichlorofluoromethane | | | ND | 0.0063 | ND | 0.0064 | ND | 0.0067 | ND | 0.0059 | ND | 0.0066 | ND | 0.0091 |
| Trichlorotrifluoroethane | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Vinyl Acetate | | | ND | 0.012 | ND | 0.013 | ND | 0.013 | ND | 0.012 | ND | 0.0013 | ND | 0.018 |
| Vinyl Chloride | 0.020 | 0.900 | ND | 0.0025 | ND | 0.0026 | ND | 0.0027 | ND | 0.0024 | ND | 0.0026 | ND | 0.0036 |
| **Total BTEX Concentration** | | | **0** | | **0** | | **0** | | **0** | | **0** | | **0** | |
| **Total VOCs Concentration** | | | **0.0067** | | **0** | | **0.0084** | | **0.071** | | **0.1457** | | **0.0687** | |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 3
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SB-8B | | SS-1A | | SS-1B | | SS-2A | | SS-2B | | SS-3A | |
| | | | (13-15') | | (0-2') | | (2-12') | | (0-2') | | (2-12') | | (0-2') | |
| | | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | mg/Kg | mg/Kg | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| 1,1,1,2-Tetrachlorothane | | | ND | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| 1,1,1-Trichloroethane | 0.680 | 100.000 | **0.19** | 0.0015 | ND | 0.0013 | **0.047J** | 0.056 | ND | 0.002 | **0.100J** | 0.14 | **0.072J** | 0.11 |
| 1,1,2,2-Tetrachloroethane | | | ND | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| 1,1,2-Trichloroethane | | | ND | 0.0023 | ND | 0.0019 | ND | 0.084 | ND | 0.003 | ND | 0.21 | ND | 0.16 |
| 1,1-Dichloroethane | 0.270 | 26.000 | **0.016** | 0.0023 | ND | 0.0019 | ND | 0.084 | ND | 0.003 | ND | 0.21 | ND | 0.16 |
| 1,1-Dichloroethene | 0.330 | 100.000 | **0.0021** | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| 1,1-Dichloropropene | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 1,2,3-Trichlorobenzene | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 1,2,3-Trichloropropane | | | ND | 0.0015 | ND | 0.013 | ND | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| 1,2,4-Trichlorobenzene | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 1,2,4-Trimethylbenzene | 36.000 | 52.000 | **0.006J** | 0.0076 | ND | 0.0064 | **0.032J** | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 1,2,4,5-Tetramethylbenzene | | | **0.0032 J** | 0.0061 | ND | 0.0052 | **0.011J** | 0.22 | ND | 0.008 | ND | 0.55 | ND | 0.44 |
| 1,2-Dibromo-3-chloropropane | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 1,2-Dibromomethane | | | ND | 0.0061 | ND | 0.0052 | ND | 0.22 | ND | 0.008 | ND | 0.55 | ND | 0.44 |
| 1,2-Dichlorobenzene | 1.100 | 100.000 | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 1,2-Dichloroethane | 0.020 | 3.100 | ND | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.02 | **0.71** | 0.14 | ND | 0.11 |
| 1,2-Dichloropropane | | | ND | 0.0053 | ND | 0.0045 | ND | 0.2 | ND | 0.007 | ND | 0.48 | ND | 0.39 |
| 1,3,5-Trimethylbenzene | 8.400 | 52.000 | **0.0015 J** | 0.0076 | ND | 0.0064 | **0.027J** | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 1,3-Dichlorobenzene | 2.400 | 4.900 | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 1,3-Dichloropropane | | | ND | 0.0015 | ND | 0.0013 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 1,4-Dichlorobenzene | 1.800 | 13.000 | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 1,4-Dioxane | 0.100 | 13.000 | ND | 0.061 | ND | 0.052 | ND | 2.2 | ND | 0.08 | ND | 5.5 | ND | 4.4 |
| 2,2-Dichloropropane | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| 2-Chlorotoluene | | | - | - | - | - | - | - | - | - | - | - | - | - |
| 2-Hexanone (Methyl Butyl Ketone) | | | ND | 0.015 | ND | 0.013 | ND | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| 2-Isopropyltoluene | | | - | - | - | - | - | - | - | - | - | - | - | - |
| 4-Chlorotoluene | | | - | - | - | - | - | - | - | - | - | - | - | - |
| 4-Methyl-2-Pentanone | | | ND | 0.015 | ND | 0.013 | **0.160J** | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| Acetone | 0.050 | 100.000 | **0.0029** | 0.015 | ND | 0.013 | ND | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| Acrolein | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Acrylonitrile | | | ND | 0.015 | ND | 0.013 | ND | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| Benzene | 0.060 | 4.800 | ND | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| Bromobenzene | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.002 | ND | 0.69 | ND | 0.55 |
| Bromochloromethane | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| Bromodichloromethane | | | ND | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| Bromoform | | | ND | 0.006.1 | ND | 0.0052 | ND | 0.22 | ND | 0.008 | ND | 0.55 | ND | 0.44 |
| Bromomethane | | | ND | 0.003 | ND | 0.0026 | ND | 0.11 | ND | 0.004 | ND | 0.28 | ND | 0.22 |
| Carbon Disulfide | | | **0.0034 J** | 0.015 | ND | 0.013 | ND | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| Carbon tetrachloride | 0.760 | 2.400 | ND | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| Chlorobenzene | 1.100 | 100.000 | ND | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| Chloroethane | | | ND | 0.003 | ND | 0.0026 | ND | 0.11 | ND | 0.004 | ND | 0.28 | ND | 0.22 |
| Chloroform | 0.370 | 49.000 | ND | 0.0023 | ND | 0.0019 | ND | 0.084 | ND | 0.003 | ND | 0.21 | ND | 0.16 |
| Chloromethane | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| cis-1,2-Dichloroethene | 0.250 | 100.000 | **0.41** | 0.0015 | ND | 0.0013 | **0.26** | 0.056 | **0.0011 J** | 0.002 | **0.56** | 0.14 | ND | 0.11 |
| cis-1,3-Dichloropropene | | | ND | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| Dibromochloromethane | | | ND | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| Dibromomethane | | | ND | 0.015 | ND | 0.013 | ND | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| Dichlorodifluoromethane | | | ND | 0.015 | ND | 0.013 | ND | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| Ethyl ether | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| Ethylbenzene | 1.000 | 41.000 | **0.0026** | 0.0015 | ND | 0.0013 | **0.029J** | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| Hexachlorobutadiene | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| Isopropylbenzene | | | **0.00086J** | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| m&p-Xylenes | 0.260 | 100.000 | **0.0014 J** | 0.003 | ND | 0.0026 | **0.14** | 0.11 | ND | 0.004 | ND | 0.28 | ND | 0.22 |
| Methyl Ethyl Ketone (2-Butanone) | 0.120 | 100.000 | **0.0083 J** | 0.015 | ND | 0.013 | ND | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| Methyl t-butyl ether (MTBE) | 0.930 | 100.000 | ND | 0.003 | ND | 0.0026 | ND | 0.11 | ND | 0.004 | ND | 0.28 | ND | 0.22 |
| Methylene chloride | 0.050 | 100.000 | ND | 0.015 | ND | 0.013 | ND | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| Naphthalene | | | **0.00066 J** | 0.0076 | ND | 0.0064 | **0.026J** | 0.28 | ND | 0.01 | **0.040J** | 0.69 | **0.030J** | 0.55 |
| n-Butylbenzene | 12.000 | 100.000 | **0.0013 J** | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| n-Propylbenzene | 3.900 | 100.000 | **0.0034** | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| o-Chlorotoluene | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| o-Xylene | 0.260 | 100.000 | **0.0023 J** | 0.003 | ND | 0.0026 | **0.054J** | 0.11 | ND | 0.004 | ND | 0.28 | ND | 0.22 |
| p-Chlorotoluene | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| p-Diethylbenzene | | | ND | 0.0061 | ND | 0.0052 | ND | 0.22 | ND | 0.008 | ND | 0.55 | ND | 0.44 |
| p-Ethyltoluene | | | **0.0016 J** | 0.0061 | ND | 0.0052 | **0.034J** | 0.22 | ND | 0.008 | ND | 0.55 | ND | 0.44 |
| p-Isopropyltoluene | | | **0.00042 J** | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| sec-Butylbenzene | 11.000 | 100.000 | **0.00091 J** | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| Styrene | | | ND | 0.003 | ND | 0.0026 | ND | 0.11 | ND | 0.004 | ND | 0.28 | ND | 0.22 |
| Tert-butyl alcohol | | | - | - | - | - | - | - | - | - | - | - | - | - |
| tert-Butylbenzene | 5.900 | 100.000 | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 0.69 | ND | 0.55 |
| Tetrachloroethene | 0.120 | 100.000 | ND | 0.0015 | **0.0012J** | 0.0013 | **5.4** | 0.056 | **0.017** | 0.002 | **6.4** | 0.14 | **2.4** | 0.11 |
| Tetrahydrofuran (THF) | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Toluene | 0.700 | 100.000 | **0.0021J** | 0.0023 | **0.00042J** | 0.0019 | **0.11** | 0.084 | ND | 0.003 | **0.042J** | 0.21 | ND | 0.16 |
| trans-1,2-Dichloroethene | 0.190 | 100.000 | **0.00066 J** | 0.0023 | ND | 0.0019 | ND | 0.084 | ND | 0.003 | ND | 0.21 | ND | 0.16 |
| trans-1,3-Dichloropropene | | | ND | 0.0015 | ND | 0.0013 | ND | 0.056 | ND | 0.002 | ND | 0.14 | ND | 0.11 |
| trans-1,4-dichloro-2-butene | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.01 | ND | 690 | ND | 0.55 |
| Trichloroethene | 0.470 | 21.000 | ND | 0.0015 | ND | 0.0013 | **0.71** | 0.056 | **0.0086** | 0.002 | **16** | 140 | **0.53** | 0.11 |
| Trichlorofluoromethane | | | ND | 0.0076 | ND | 0.0064 | ND | 0.28 | ND | 0.002 | ND | 0.69 | ND | 0.55 |
| Trichlorotrifluoroethane | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Vinyl Acetate | | | ND | 0.015 | ND | 0.013 | ND | 0.56 | ND | 0.02 | ND | 1.4 | ND | 1.1 |
| Vinyl Chloride | 0.020 | 0.900 | **0.005** | 0.003 | ND | 0.0026 | ND | 0.11 | ND | 0.004 | ND | 0.28 | ND | 0.22 |
| **Total BTEX Concentration** | | | **0.0026** | | **0** | | **0.25** | | **0** | | **0** | | **0** | |
| **Total VOCs Concentration** | | | **0.632** | | **0** | | **6.62** | | **0.0256** | | **23.67** | | **2.93** | |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 3
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SS-3B | | SS-4A | | SS-4B | | Dup-1 | | Dup-2 | |
| | | | (2-12') | | (0-2') | | (2-12') | | | | | |
| | | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | mg/Kg | mg/Kg | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| 1,1,1,2-Tetrachlorothane | | | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| 1,1,1-Trichloroethane | 0.680 | 100.000 | **0.13** | 0.075 | **0.079J** | 0.084 | ND | 0.0019 | ND | 0.059 | **0.091** | 0.083 |
| 1,1,2,2-Tetrachloroethane | | | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| 1,1,2-Trichloroethane | | | ND | 0.11 | ND | 0.13 | ND | 0.0028 | ND | 0.089 | ND | 0.12 |
| 1,1-Dichloroethane | 0.270 | 26.000 | ND | 0.11 | ND | 0.13 | ND | 0.0028 | ND | 0.089 | ND | 0.12 |
| 1,1-Dichloroethene | 0.330 | 100.000 | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| 1,1-Dichloropropene | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 1,2,3-Trichlorobenzene | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 1,2,3-Trichloropropane | | | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| 1,2,4-Trichlorobenzene | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 1,2,4-Trimethylbenzene | 36.000 | 52.000 | ND | 0.38 | **0.017J** | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 1,2,4,5-Tetramethylbenzene | | | ND | 0.3 | ND | 0.34 | ND | 0.0074 | ND | 0.24 | **0.024J** | 0.33 |
| 1,2-Dibromo-3-chloropropane | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 1,2-Dibromomethane | | | ND | 0.3 | ND | 0.34 | ND | 0.0074 | ND | 0.24 | ND | 0.33 |
| 1,2-Dichlorobenzene | 1.100 | 100.000 | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 1,2-Dichloroethane | 0.020 | 3.100 | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| 1,2-Dichloropropane | | | ND | 0.26 | ND | 0.3 | ND | 0.0065 | ND | 0.21 | ND | 0.29 |
| 1,3,5-Trimethylbenzene | 8.400 | 52.000 | ND | 0.38 | **0.018J** | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 1,3-Dichlorobenzene | 2.400 | 4.900 | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 1,3-Dichloropropane | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 1,4-Dichlorobenzene | 1.800 | 13.000 | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 1,4-Dioxane | 0.100 | 13.000 | ND | 3 | ND | 3.4 | ND | 0.074 | ND | 2.4 | ND | 3.3 |
| 2,2-Dichloropropane | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| 2-Chlorotoluene | | | - | - | - | - | - | - | - | - | - | - |
| 2-Hexanone (Methyl Butyl Ketone) | | | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| 2-Isopropyltoluene | | | - | - | - | - | - | - | - | - | - | - |
| 4-Chlorotoluene | | | - | - | - | - | - | - | - | - | - | - |
| 4-Methyl-2-Pentanone | | | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| Acetone | 0.050 | 100.000 | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| Acrolein | | | - | - | - | - | - | - | - | - | - | - |
| Acrylonitrile | | | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| Benzene | 0.060 | 4.800 | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| Bromobenzene | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| Bromochloromethane | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| Bromodichloromethane | | | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| Bromoform | | | ND | 0.3 | ND | 0.34 | ND | 0.0074 | ND | 0.24 | ND | 0.33 |
| Bromomethane | | | ND | 0.15 | ND | 0.17 | ND | 0.0037 | ND | 0.12 | ND | 0.16 |
| Carbon Disulfide | | | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| Carbon tetrachloride | 0.760 | 2.400 | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| Chlorobenzene | 1.100 | 100.000 | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| Chloroethane | | | ND | 0.15 | ND | 0.17 | ND | 0.0037 | ND | 0.12 | ND | 0.16 |
| Chloroform | 0.370 | 49.000 | ND | 0.11 | ND | 0.13 | ND | 0.0028 | ND | 0.089 | ND | 0.12 |
| Chloromethane | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| cis-1,2-Dichloroethene | 0.250 | 100.000 | **0.041J** | 0.075 | **0.034J** | 0.084 | ND | 0.0019 | ND | 0.059 | **0.34** | 0.083 |
| cis-1,3-Dichloropropene | | | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| Dibromochloromethane | | | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| Dibromomethane | | | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| Dichlorodifluoromethane | | | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| Ethyl ether | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| Ethylbenzene | 1.000 | 41.000 | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| Hexachlorobutadiene | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| Isopropylbenzene | | | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.59 | ND | 0.083 |
| m&p-Xylenes | 0.260 | 100.000 | ND | 0.15 | **0.062J** | 0.17 | ND | 0.0037 | ND | 0.12 | **0.036J** | 0.16 |
| Methyl Ethyl Ketone (2-Butanone) | 0.120 | 100.000 | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| Methyl t-butyl ether (MTBE) | 0.930 | 100.000 | ND | 0.15 | ND | 0.17 | ND | 0.0037 | ND | 0.12 | ND | 0.16 |
| Methylene chloride | 0.050 | 100.000 | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| Naphthalene | | | **0.350J** | 0.38 | **0.170J** | 0.42 | ND | 0.0093 | ND | 0.3 | **0.87** | 0.41 |
| n-Butylbenzene | 12.000 | 100.000 | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| n-Propylbenzene | 3.900 | 100.000 | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| o-Chlorotoluene | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| o-Xylene | 0.260 | 100.000 | ND | 0.15 | **0.044J** | 0.17 | ND | 0.0037 | ND | 0.12 | ND | 0.16 |
| p-Chlorotoluene | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| p-Diethylbenzene | | | ND | 0.3 | ND | 0.34 | ND | 0.0074 | ND | 0.24 | ND | 0.33 |
| p-Ethyltoluene | | | ND | 0.3 | ND | 0.34 | ND | 0.0074 | ND | 0.24 | ND | 0.33 |
| p-Isopropyltoluene | | | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| sec-Butylbenzene | 11.000 | 100.000 | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| Styrene | | | ND | 0.15 | ND | 0.17 | ND | 0.0037 | ND | 0.12 | ND | 0.16 |
| Tert-butyl alcohol | | | - | - | - | - | - | - | - | - | - | - |
| tert-Butylbenzene | 5.900 | 100.000 | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| Tetrachloroethene | 0.120 | 100.000 | **2.8** | 0.075 | **1.1** | 0.084 | **0.0042** | 0.0019 | **0.85** | 0.059 | **7.4** | 0.083 |
| Tetrahydrofuran (THF) | | | - | - | - | - | - | - | - | - | - | - |
| Toluene | 0.700 | 100.000 | **0.015J** | 0.11 | **0.039J** | 0.13 | **0.00088J** | 0.0028 | ND | 0.089 | **0.031J** | 0.12 |
| trans-1,2-Dichloroethene | 0.190 | 100.000 | ND | 0.11 | ND | 0.13 | ND | 0.0028 | ND | 0.089 | ND | 0.12 |
| trans-1,3-Dichloropropene | | | ND | 0.075 | ND | 0.084 | ND | 0.0019 | ND | 0.059 | ND | 0.083 |
| trans-1,4-dichloro-2-butene | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| Trichloroethene | 0.470 | 21.000 | **1.3** | 0.075 | **0.41** | 0.084 | **0.0022** | 0.0019 | **0.024J** | 0.059 | **4.7** | 0.083 |
| Trichlorofluoromethane | | | ND | 0.38 | ND | 0.42 | ND | 0.0093 | ND | 0.3 | ND | 0.41 |
| Trichlorotrifluoroethane | | | - | - | - | - | - | - | - | - | - | - |
| Vinyl Acetate | | | ND | 0.75 | ND | 0.84 | ND | 0.019 | ND | 0.59 | ND | 0.83 |
| Vinyl Chloride | 0.020 | 0.900 | ND | 0.15 | ND | 0.17 | ND | 0.0037 | ND | 0.12 | ND | 0.16 |
| **Total BTEX Concentration** | | | **0** | | **0** | | **0** | | **0** | | **0** | |
| **Total VOCs Concentration** | | | **4.23** | | **1.51** | | **0.0064** | | **0.85** | | **13.401** | |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 3
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | EBC 2021 Supplemental RI | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SB20-01 | | | | | | SB20-02 | | | | | | Soil Duplicate | |
| | | | (20-25) | | (25-30) | | (30-35) | | (20-25) | | (25-30) | | (30-35) | | SB2001 (30-35') | |
| | | | 1/25/2021 | | 1/25/20201 | | 1/25/2021 | | 1/25/20201 | | 1/25/2021 | | 1/25/20201 | | 1/25/2021 | |
| | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | mg/Kg | mg/Kg | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| 1,1,1,2-Tetrachlorothane | | | < 0.014 | 0.014 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 1.300 | 1 | < 0.003.3 | 0.0033 | < 0.011 | 0.011 | < 0.013 | 0.013 |
| 1,1,1-Trichloroethane | 0.680 | 100.000 | **0.0092** | 0.0035 | **0.033** | 0.220 | **0.039** | 0.0036 | < 0.330 | 0.330 | **0.0032** | 0.0033 | **0.041** | 0.0027 | **0.02** | 0.0033 |
| 1,1,2,2-Tetrachloroethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,1,2-Trichloroethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,1-Dichloroethane | 0.270 | 26.000 | **0.0019** | 0.0035 | **0.0018** | 0.0041 | **0.0087** | 0.0036 | < 0.270 | 0.270 | < 0.0033 | 0.0033 | **0.0031** | 0.0027 | **0.0065** | 0.0033 |
| 1,1-Dichloroethene | 0.330 | 100.000 | **0.00096** | 0.0035 | **0.00061** | 0.0041 | **0.0047** | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | **0.0033** | 0.0027 | **0.0028** | 0.0033 |
| 1,1-Dichloropropene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,2,3-Trichlorobenzene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,2,3-Trichloropropane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,2,4-Trichlorobenzene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,2,4-Trimethylbenzene | 36.000 | 52.000 | **0.0004** | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,2,4,5-Tetramethylbenzene | | | **-** | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1,2-Dibromo-3-chloropropane | | | < 0.0035 | 3.5 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,2-Dibromomethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,2-Dichlorobenzene | 1.100 | 100.000 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,2-Dichloroethane | 0.020 | 3.100 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.033 | 0.033 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,2-Dichloropropane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,3,5-Trimethylbenzene | 8.400 | 52.000 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,3-Dichlorobenzene | 2.400 | 4.900 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,3-Dichloropropane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,4-Dichlorobenzene | 1.800 | 13.000 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 1,4-Dioxane | 0.100 | 13.000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2,2-Dichloropropane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 2-Chlorotoluene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 2-Hexanone (Methyl Butyl Ketone) | | | < 0.017 | 0.017 | < 0.0041 | 0.020 | < 0.018 | 0.018 | < 1.600 | 1.600 | < 0.016 | 0.016 | < 0.014 | 0.014 | < 0.016 | 0.016 |
| 2-Isopropyltoluene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 4-Chlorotoluene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| 4-Methyl-2-Pentanone | | | < 0.017 | 0.017 | < 0.020 | 0.020 | < 0.018 | 0.018 | < 1.600 | 1.600 | < 0.016 | 0.016 | < 0.014 | 0.014 | < 0.016 | 0.016 |
| Acetone | 0.050 | 100.000 | **0.005** | 0.017 | **0.039** | 0.020 | **0.0047** | 0.018 | < 0.330 | 0.330 | **0.0039** | 0.016 | < 0.014 | 0.014 | **0.0048** | 0.016 |
| Acrolein | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Acrylonitrile | | | < 0.014 | 0.014 | < 0.0081 | 0.0081 | < 0.0072 | 0.0072 | < 0.660 | 0.660 | < 0.0065 | 0.0065 | < 0.011 | 0.011 | < 0.013 | 0.013 |
| Benzene | 0.060 | 4.800 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | <0.0 60 | 0.060 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Bromobenzene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Bromochloromethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Bromodichloromethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Bromoform | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Bromomethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Carbon Disulfide | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Carbon tetrachloride | 0.760 | 2.400 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Chlorobenzene | 1.100 | 100.000 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Chloroethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Chloroform | 0.370 | 49.000 | **0.0038** | 0.0035 | < 0.0041 | 0.0041 | **0.0026** | 0.0036 | < 0.330 | 0.330 | **0.00037** | 0.0033 | < 0.0027 | 0.0027 | **0.0015** | 0.0033 |
| Chloromethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| cis-1,2-Dichloroethene | 0.250 | 100.000 | **0.035** | 0.0035 | **0.13** | 0.130 | **0.19** | 0.180 | **0.046** | 0.250 | **0.00001** | 0.0033 | **0.12** | 0.095 | **0.2** | 0.160 |
| cis-1,3-Dichloropropene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Dibromochloromethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Dibromomethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Dichlorodifluoromethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Ethyl ether | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ethylbenzene | 1.000 | 41.000 | **0.00036** | 0.0035 | **0.00062** | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Hexachlorobutadiene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Isopropylbenzene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| m&p-Xylenes | 0.260 | 100.000 | **0.0014** | 0.0035 | **0.0021** | 0.0041 | **0.00084** | 0.0036 | < 0.330 | 0.330 | **0.00083** | 0.0033 | < 0.0027 | 0.0027 | **0.00073** | 0.0033 |
| Methyl Ethyl Ketone (2-Butanone) | 0.120 | 100.000 | < 0.021 | 0.021 | **0.016** | 0.024 | < 0.022 | 0.022 | < 0.130 | 0.130 | < 0.020 | 0.020 | < 0.016 | 0.016 | < 0.020 | 0.020 |
| Methyl t-butyl ether (MTBE) | 0.930 | 100.000 | < 0.0070 | 0.0070 | < 0.0081 | 0.0081 | < 0.072 | 0.0072 | < 0.660 | 0.660 | < 0.0065 | 0.0065 | < 0.054 | 0.0054 | < 0.0065 | 0.0065 |
| Methylene chloride | 0.050 | 100.000 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.130 | 0.130 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Naphthalene | | | **0.0015** | 0.0035 | < 0.0041 | 0.0041 | **0.0015** | 0.0036 | < 0.330 | 0.330 | **0.008** | 0.0033 | < 0.0027 | 0.0027 | **0.0014** | 0.0033 |
| n-Butylbenzene | 12.000 | 100.000 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| n-Propylbenzene | 3.900 | 100.000 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| o-Chlorotoluene | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| o-Xylene | 0.260 | 100.000 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| p-Chlorotoluene | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| p-Diethylbenzene | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| p-Ethyltoluene | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| p-Isopropyltoluene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| sec-Butylbenzene | 11.000 | 100.000 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Styrene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Tert-butyl alcohol | | | < 0.070 | 0.070 | < 0.081 | 0.081 | < 0.072 | 0.072 | < 6.600 | 6.60 | < 0.065 | 0.065 | < 0.054 | 0.054 | < 0.065 | 0.065 |
| tert-Butylbenzene | 5.900 | 100.000 | < 0.0035 | 0.0035 | < 4.1 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Tetrachloroethene | 0.120 | 100.000 | **0.59** | 0.460 | **0.39** | 0.220 | **0.64** | 0.450 | **200** | 0.180 | **0.04** | 0.0033 | **0.24** | 0.240 | **0.69** | 0.410 |
| Tetrahydrofuran (THF) | | | < 0.0070 | 0.0070 | **0.019** | 0.0081 | < 0.0072 | 0.0072 | < 0.660 | 0.660 | < 0.0065 | 0.065 | < 0.0054 | 0.0054 | < 0.0065 | 0.0065 |
| Toluene | 0.700 | 100.000 | **0.0016** | 0.0035 | < 0.0041 | 0.0041 | **0.0015** | 0.0036 | < 0.330 | 0.330 | **0.00097** | 0.0033 | < 0.0027 | 0.0027 | **0.0007** | 0.0033 |
| trans-1,2-Dichloroethene | 0.190 | 100.000 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.190 | 0.190 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| trans-1,3-Dichloropropene | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| trans-1,4-dichloro-2-butene | | | < 0.0070 | 0.0070 | < 0.0081 | 0.0081 | < 0.0072 | 0.0072 | < 0.660 | 0.660 | < 0.0065 | 0.065 | < 0.0054 | 0.0054 | < 0.0065 | 0.0065 |
| Trichloroethene | 0.470 | 21.000 | **0.022** | 0.0035 | **0.0098** | 0.0041 | **0.059** | 0.0036 | **0.092** | 0.330 | **0.034** | 0.0033 | **0.026** | 0.0027 | **0.043** | 0.0033 |
| Trichlorofluoromethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Trichlorotrifluoroethane | | | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.330 | 0.330 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| Vinyl Acetate | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vinyl Chloride | 0.020 | 0.900 | < 0.0035 | 0.0035 | < 0.0041 | 0.0041 | < 0.0036 | 0.0036 | < 0.033 | 0.033 | < 0.0033 | 0.0033 | < 0.0027 | 0.0027 | < 0.0033 | 0.0033 |
| **Total BTEX Concentration** | | | **0.00336** | | **0.00272** | | **0.00234** | | **0** | | **0.0018** | | **0** | | **0.00143** | |
| **Total VOCs Concentration** | | | **0.67312** | | **0.64193** | | **0.95254** | | **200.138** | | **0.09128** | | **0.4334** | | **0.97143** | |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 4
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | NYDEC Part 375.6 Commerical Soil Cleanup Objectives* | Alpha-Hydro Environmental Limited Phase II | | | Laurel Environmental Associates, LTD SCR | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SP-1 | SP-2 | SP-3 | SB-1A | | SB-1B | | SB-2A | |
| | | | | (6-8') | (6-8') | (6-8') | (1-3') | | (12-14') | | (4-6') | |
| | | | | 7/11/2014 | 7/12/2014 | 7/13/2014 | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | |
| | | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | | Result | Result | Result | Result | RL | Result | RL | Result | RL |
| 1,2,4,5-Tetrachlorobenzene | | | | - | - | - | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 1,2,4-Trichlorobenzene | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 1,2-Dichlorobenzene | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 1,2-Diphenylhydrazine | | | | - | - | - | - | - | - | - | - | - |
| 1,3-Dichlorobenzene | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 1,4-Dichlorobenzene | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 2,4,5-Trichlorophenol | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 2,4,6-Trichlorophenol | | | | ND | ND | ND | ND | 1 | ND | 0.11 | ND | 0.11 |
| 2,4-Dichlorophenol | | | | ND | ND | ND | ND | 1.6 | ND | 0.17 | ND | 0.16 |
| 2,4-Dimethylphenol | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 2,4-Dinitrophenol | | | | ND | ND | ND | ND | 8.5 | ND | 0.91 | ND | 0.87 |
| 2,4-Dinitrotoluene | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 2,6-Dinitrotoluene | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 2-Chloronaphthalene | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 2-Chlorophenol | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 2-Methylnaphthalene | | | | ND | ND | ND | **31** | 2.1 | **0.077J** | 0.23 | ND | 0.22 |
| 2-Methylphenol (o-cresol) | 0.33 | 100 | 500 | ND | ND | ND | **0.340J** | 1.8 | ND | 0.19 | ND | 0.18 |
| 2-Nitroaniline | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 2-Nitrophenol | | | | ND | ND | ND | ND | 3.8 | ND | 0.41 | ND | 0.39 |
| 3&4-Methylphenol (m&p-cresol) | 0.33 | 100 | 500 | ND | ND | ND | **1.200J** | 2.5 | ND | 0.27 | ND | 0.26 |
| 3,3'-Dichlorobenzidine | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 3-Nitroaniline | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 4,6-Dinitro-2-methylphenol | | | | ND | ND | ND | ND | 4.6 | ND | 0.49 | ND | 0.47 |
| 4-Bromophenyl phenyl ether | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 4-Chloro-3-methylphenol | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 4-Chloroaniline | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 4-Chlorophenyl phenyl ether | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 4-Nitroaniline | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| 4-Nitrophenol | | | | ND | ND | ND | ND | 2.5 | ND | 0.26 | ND | 0.25 |
| Acenaphthene | 20 | 100 | 500 | ND | ND | **1.140 J** | **41** | 1.4 | **0.100J** | 0.15 | ND | 0.14 |
| Acenaphthylene | 100 | 100 | 500 | ND | ND | ND | **1.4** | 1.4 | ND | 0.15 | **0.040J** | 0.14 |
| Acetophenone | | | | - | - | - | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| Aniline | | | | ND | ND | ND | - | - | - | - | - | - |
| Anthracene | 100 | 100 | 500 | ND | **1.780 J** | **3.71** | **70** | 1 | **0.16** | 0.11 | **0.041J** | 0.11 |
| Benzidine | | | | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | 1 | 1 | 5.6 | ND | **2.930 J** | **5.57** | **70** | 1 | **0.19** | 0.11 | **0.14** | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | ND | **1.570 J** | **3.08** | **53** | 1.4 | **0.16** | 0.15 | **0.120J** | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | 5.6 | ND | **1.500 J** | **2.84** | **64** | 1 | **0.2** | 0.11 | **0.16** | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 500 | ND | ND | ND | **28** | 1.4 | **0.086J** | 0.15 | **0.068J** | 0.14 |
| Benzo(k)fluoranthene | 0.8 | 3.9 | 56 | ND | **1.790 J** | **3.64** | **24** | 1 | **0.072J** | 0.110 | **0.056J** | 0.11 |
| Benzyl alcohol | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| Benzoic acid | | | | - | - | - | ND | 5.7 | ND | 0.61 | ND | 0.59 |
| Benzyl butyl phthalate | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| Biphenyl | | | | - | - | - | **7.9** | 4 | ND | 0.43 | ND | 0.41 |
| Bis(2-chloroethoxy)methane | | | | ND | ND | ND | ND | 1.9 | ND | 0.2 | ND | 0.2 |
| Bis(2-chloroethyl)ether | | | | ND | ND | ND | ND | 1.6 | ND | 0.17 | ND | 0.16 |
| Bis(2-chloroisopropyl)ether | | | | ND | ND | ND | ND | 2.1 | ND | 0.23 | ND | 0.22 |
| Bis(2-ethylhexyl)phthalate | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| Carbazole | | | | - | - | - | **27** | 1.8 | **0.073J** | 0.19 | ND | 0.18 |
| Chrysene | 1 | 3.9 | 56 | ND | **2.280 J** | **5.75** | **63** | 1 | **170** | 0.11 | **0.12** | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.56 | ND | ND | **0.693 J** | **7.7** | 1 | **0.025J** | 0.11 | ND | 0.11 |
| Dibenzofuran | | | | ND | ND | **1.530 J** | **44** | 1.8 | **0.120J** | 0.19 | **0.018J** | 0.18 |
| Diethyl phthalate | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| Dimethylphthalate | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| Di-n-butylphthalate | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| Di-n-octylphthalate | | | | ND | ND | ND | ND | 1.8 | ND | 0 | ND | 0.18 |
| Fluoranthene | 100 | 100 | 500 | ND | **7.09** | **0** | **190** | 10 | **0.5** | 0.11 | **0.28** | 0.11 |
| Fluorene | 30 | 100 | 500 | ND | ND | **0.001120 J** | **27** | 1.8 | **0.061J** | 0.19 | ND | 0.18 |
| Hexachlorobenzene | | | | ND | ND | ND | ND | 1 | ND | 0.11 | ND | 0.11 |
| Hexachlorobutadiene | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| Hexachlorocyclopentadiene | | | | ND | ND | ND | ND | 5 | ND | 0.54 | ND | 0.52 |
| Hexachloroethane | | | | ND | ND | ND | ND | 1.4 | ND | 0.15 | ND | 0.14 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 5.6 | ND | ND | **1.270 J** | **32** | 1.4 | **0.095J** | 0.15 | **0.079J** | 0.14 |
| Isophorone | | | | ND | ND | ND | ND | 1.6 | ND | 0.17 | ND | 0.16 |
| Naphthalene | 12 | 100 | 500 | ND | ND | **0.785 J** | - | - | - | - | - | - |
| NDPA/DPA | | | | - | - | - | **80** | 18 | **0.19** | 0.19 | **0.026J** | 0.18 |
| Nitrobenzene | | | | ND | ND | ND | ND | 1.4 | ND | 0.15 | ND | 0.14 |
| N-Nitrosodimethylamine | | | | ND | ND | ND | ND | 1.6 | ND | 0.17 | ND | 0.16 |
| N-Nitrosodi-n-propylamine | | | | ND | ND | ND | - | - | - | - | - | - |
| N-Nitrosodiphenylamine | | | | ND | ND | ND | ND | 1.8 | ND | 0.19 | ND | 0.18 |
| Pentachloronitrobenzene | | | | - | - | - | - | - | - | - | - | - |
| Pentachlorophenol | 0.8 | 6.7 | 6.7 | ND | ND | ND | - | - | - | - | - | - |
| Phenanthrene | 100 | 100 | 500 | ND | **7.69** | **13.80** | ND | 1.4 | ND | 0.15 | ND | 0.14 |
| Phenol | 0.33 | 100 | 500 | ND | ND | ND | **290** | 10 | **0.71** | 0.11 | **0.2** | 0.11 |
| Pyrene | 100 | 100 | 500 | ND | **6.26** | **10.5** | **0.530J** | 1.8 | ND | 0.19 | ND | 0.18 |
| Pyridine | | | | ND | ND | ND | **150** | 10 | **0.41** | 0.11 | **0.24** | 0.11 |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 4
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SB-2B | | SB-3A | | SB-3B | | SB-4A | | SB-4B | | SB-5A | | SB-5B | |
| | | | (13-15') | | (1-3') | | (11-13') | | (5-7') | | (13-15') | | (2-4') | | (12-14') | |
| | | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | |
| | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| 1,2,4,5-Tetrachlorobenzene | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 1,2,4-Trichlorobenzene | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0./200 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 1,2-Dichlorobenzene | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 1,2-Diphenylhydrazine | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1,3-Dichlorobenzene | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 1,4-Dichlorobenzene | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 2,4,5-Trichlorophenol | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 2,4,6-Trichlorophenol | | | ND | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | ND | 6.3 | ND | 0.11 |
| 2,4-Dichlorophenol | | | ND | 0.16 | ND | 0.17 | ND | 0.16 | ND | 0.18 | ND | 0.17 | ND | 9.4 | ND | 0.16 |
| 2,4-Dimethylphenol | | | ND | 0.18 | **0.079J** | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | **18** | 10 | ND | 0.18 |
| 2,4-Dinitrophenol | | | ND | 0.86 | ND | 0.92 | ND | 0.86 | ND | 0.99 | ND | 0.89 | ND | 50 | ND | 0.86 |
| 2,4-Dinitrotoluene | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 2,6-Dinitrotoluene | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 2-Chloronaphthalene | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 2-Chlorophenol | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 2-Methylnaphthalene | | | ND | 0.22 | 900 | 0.23 | ND | 0.22 | ND | 0.25 | ND | 0.22 | **89** | 12 | **0.170J** | 0.22 |
| 2-Methylphenol (o-cresol) | 0.33 | 100 | ND | 0.18 | **0.042J** | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | **16** | 10 | ND | 0.18 |
| 2-Nitroaniline | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 2-Nitrophenol | | | ND | 0.39 | ND | 0.41 | ND | 0.39 | ND | 0.44 | ND | 0.4 | ND | 22 | ND | 0.39 |
| 3&4-Methylphenol (m&p-cresol) | 0.33 | 100 | ND | 0.26 | **0.140J** | 0.28 | ND | 0.26 | ND | 0.3 | ND | 0.27 | **44** | 15 | **0.071J** | 0.26 |
| 3,3'-Dichlorobenzidine | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 3-Nitroaniline | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 4,6-Dinitro-2-methylphenol | | | ND | 0.47 | ND | 0.5 | ND | 0.47 | ND | 0.53 | ND | 0.48 | ND | 27 | ND | 0.47 |
| 4-Bromophenyl phenyl ether | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 4-Chloro-3-methylphenol | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 4-Chloroaniline | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 4-Chlorophenyl phenyl ether | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 4-Nitroaniline | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| 4-Nitrophenol | | | ND | 0.25 | ND | 0.27 | ND | 0.25 | ND | 0.29 | ND | 0.26 | ND | 15 | ND | 0.25 |
| Acenaphthene | 20 | 100 | ND | 0.14 | **2.7** | 0.15 | ND | 0.14 | ND | 0.16 | ND | 0.15 | **84** | 8.4 | **0.16** | 0.14 |
| Acenaphthylene | 100 | 100 | ND | 0 | **0.74** | 0.15 | ND | 0.14 | ND | 0.16 | ND | 0.15 | **130** | 8.4 | **0.24** | 0.14 |
| Acetophenone | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| Aniline | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | 100 | 100 | ND | 0.11 | **4.8** | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | **160** | 6.3 | **0.38** | 0.11 |
| Benzidine | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | 1 | 1 | ND | 0.11 | **9.1** | 0.57 | ND | 0.11 | **0.038J** | 0.12 | ND | 0.11 | **260** | 6.3 | **0.62** | 0.11 |
| Benzo(a)pyrene | 1 | 1 | ND | 0.14 | **7.3** | 0.15 | ND | 0.14 | ND | 0.16 | ND | 0.15 | **230** | 8.4 | **0.56** | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | ND | 0.11 | **10** | 0.57 | ND | 0.11 | **0.041J** | 0.12 | ND | 0.11 | **280** | 6.3 | **0.68** | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | ND | 0.14 | **3.8** | 0.15 | ND | 0.14 | ND | 0.16 | ND | 0.15 | **120** | 8.4 | **0.31** | 0.14 |
| Benzo(k)fluoranthene | 0.8 | 3.9 | ND | 0.11 | **2.8** | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | **100** | 6.3 | **0.21** | 0.11 |
| Benzyl alcohol | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.)190 | ND | 10 | ND | 0.18 |
| Benzoic acid | | | ND | 0.58 | ND | 0.62 | ND | 0.58 | ND | 0.66 | ND | 0.6 | ND | 34 | ND | 0.58 |
| Benzyl butyl phthalate | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| Biphenyl | | | ND | 0.41 | **0.320J** | 0.44 | ND | 0.41 | ND | 0.47 | ND | 0.42 | **0.022000J** | 24 | ND | 0.41 |
| Bis(2-chloroethoxy)methane | | | ND | 0.19 | ND | 0.21 | ND | 0.19 | ND | 0.22 | ND | 0.2 | ND | 11 | ND | 0.19 |
| Bis(2-chloroethyl)ether | | | ND | 0.16 | ND | 0.17 | ND | 0.16 | ND | 0.18 | ND | 0.17 | ND | 9.4 | ND | 0.16 |
| Bis(2-chloroisopropyl)ether | | | ND | 0.22 | ND | 0.23 | ND | 0.22 | ND | 0.25 | ND | 0.22 | ND | 12 | ND | 0.22 |
| Bis(2-ethylhexyl)phthalate | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| Carbazole | | | ND | 0.18 | **2.8** | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | **91** | 10 | **0.2** | 0.18 |
| Chrysene | 1 | 3.9 | ND | 0.11 | **8.5** | 0.57 | ND | 0.11 | **0.029J** | 0.12 | ND | 0.11 | **240** | 6.3 | **0.58** | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | ND | 0.11 | **1.2** | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | **37** | 6.3 | **0.092J** | 0.11 |
| Dibenzofuran | | | ND | 0.18 | **2.4** | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | **100** | 10 | **0.21** | 0.18 |
| Diethyl phthalate | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| Dimethylphthalate | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| Di-n-butylphthalate | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| Di-n-octylphthalate | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| Fluoranthene | 100 | 100 | ND | 0.11 | **22** | 0.57 | ND | 0.11 | **0.049J** | 0.12 | ND | 0.11 | **720** | 31 | **1.4** | 0.11 |
| Fluorene | 30 | 100 | ND | 0.18 | **2.4** | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | **160** | 10 | **0.32** | 0.18 |
| Hexachlorobenzene | | | ND | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | ND | 6.3 | ND | 0.11 |
| Hexachlorobutadiene | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 10 | ND | 0.18 |
| Hexachlorocyclopentadiene | | | ND | 0.51 | ND | 0.55 | ND | 0.51 | ND | 0.59 | ND | 0.53 | ND | 30 | ND | 0.51 |
| Hexachloroethane | | | ND | 0.14 | ND | 0.15 | ND | 0.14 | ND | 0.16 | ND | 0.15 | ND | 8.4 | ND | 0.14 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | ND | 0.14 | **4.6** | 0.15 | ND | 0.14 | ND | 0.16 | ND | 0.15 | **140** | 8.4 | **0.35** | 0.14 |
| Isophorone | | | ND | 0.16 | ND | 0.17 | ND | 0.16 | ND | 0.18 | ND | 0.17 | ND | 9.4 | ND | 0.16 |
| Naphthalene | 12 | 100 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NDPA/DPA | | | ND | 0.18 | **1.5** | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | **300** | 10 | **0.63** | 0.18 |
| Nitrobenzene | | | ND | 0.14 | ND | 0.15 | ND | 0.14 | ND | 0.16 | ND | 0.15 | ND | 8.4 | ND | 0.14 |
| N-Nitrosodimethylamine | | | ND | 0.16 | ND | 0.17 | ND | 0.16 | ND | 0.18 | ND | 0.17 | ND | 9.4 | ND | 0.16 |
| N-Nitrosodi-n-propylamine | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| N-Nitrosodiphenylamine | | | ND | 0.18 | ND | 0.19 | ND | 0.18 | ND | 0 | ND | 0.19 | ND | 10 | ND | 0.18 |
| Pentachloronitrobenzene | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Pentachlorophenol | 0.8 | 6.7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | 100 | 100 | ND | 0.14 | ND | 0.15 | ND | 0.14 | ND | 0.16 | ND | 0.15 | ND | 8.4 | ND | 0.14 |
| Phenol | 0.33 | 100 | ND | 0.11 | **23** | 0.57 | ND | 0.11 | ND | 0.12 | ND | 0.11 | **800** | 31 | **1.6** | 0.11 |
| Pyrene | 100 | 100 | ND | 0.18 | **0.082J** | 0.19 | ND | 0.18 | ND | 0.2 | ND | 0.19 | **31** | 10 | **0.059J** | 0.18 |
| Pyridine | | | ND | 0.11 | **18** | 0.57 | ND | 0.11 | **0.043J** | 0.12 | ND | 0.11 | **590** | 31 | **1.2** | 0.11 |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 4
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SB-6A | | SB-6B | | SB-7A | | SB-7B | | SB-8A | | SB-8B | |
| | | | (4-6') | | (13-15') | | (4-6') | | (12-14') | | (8-10') | | (13-15') | |
| | | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | |
| | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| 1,2,4,5-Tetrachlorobenzene | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 1,2,4-Trichlorobenzene | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0 | ND | 0.18 |
| 1,2-Dichlorobenzene | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 1,2-Diphenylhydrazine | | | - | - | - | - | - | - | - | - | - | - | - | - |
| 1,3-Dichlorobenzene | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 1,4-Dichlorobenzene | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2,4,5-Trichlorophenol | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2,4,6-Trichlorophenol | | | ND | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | - | - |
| 2,4-Dichlorophenol | | | ND | 0.16 | ND | 0.16 | ND | 0.17 | ND | 0.18 | ND | 0.16 | ND | 0.16 |
| 2,4-Dimethylphenol | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2,4-Dinitrophenol | | | ND | 0.86 | ND | 0.88 | ND | 0.91 | ND | 0.93 | ND | 0.87 | ND | 0.87 |
| 2,4-Dinitrotoluene | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2,6-Dinitrotoluene | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2-Chloronaphthalene | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2-Chlorophenol | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2-Methylnaphthalene | | | ND | 0.22 | ND | 0.22 | ND | 0.23 | ND | 0.23 | ND | 0.22 | ND | 0.22 |
| 2-Methylphenol (o-cresol) | 0.33 | 100 | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | - | - |
| 2-Nitroaniline | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | - | - |
| 2-Nitrophenol | | | ND | 0.39 | ND | 0.4 | ND | 0.41 | ND | 0.42 | ND | 0.39 | ND | 0.39 |
| 3&4-Methylphenol (m&p-cresol) | 0.33 | 100 | ND | 0.26 | ND | 0.26 | ND | 0.27 | ND | 0.28 | ND | 0.26 | ND | 0.26 |
| 3,3'-Dichlorobenzidine | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 3-Nitroaniline | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4,6-Dinitro-2-methylphenol | | | ND | 0.47 | ND | 0.48 | ND | 0.49 | ND | 0.51 | ND | 0.47 | ND | 0.47 |
| 4-Bromophenyl phenyl ether | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4-Chloro-3-methylphenol | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4-Chloroaniline | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4-Chlorophenyl phenyl ether | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4-Nitroaniline | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4-Nitrophenol | | | ND | 0.25 | ND | 0.26 | ND | 0.26 | ND | 0.27 | ND | 0.25 | ND | 0.26 |
| Acenaphthene | 20 | 100 | ND | 0.14 | ND | 0.15 | ND | 0.15 | ND | 0.16 | ND | 0.14 | ND | 0.14 |
| Acenaphthylene | 100 | 100 | ND | 0.14 | ND | 0.15 | ND | 0.15 | ND | 0.16 | ND | 0.14 | ND | 0.14 |
| Acetophenone | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Aniline | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | 100 | 100 | ND | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | - | - |
| Benzidine | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | 1 | 1 | **0.022J** | 0.11 | ND | 0.11 | ND | 0.11 | **0.022J** | 0.12 | ND | 0.11 | ND | 0.11 |
| Benzo(a)pyrene | 1 | 1 | ND | 0.14 | ND | 0.15 | ND | 0.15 | **0.057J** | 0.16 | ND | 0.14 | ND | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | **0.030J** | 0.11 | ND | 0.11 | ND | 0.11 | **0.061J** | 0.12 | ND | 0.11 | ND | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | **0.072J** | 0.14 | ND | 0.15 | ND | 0.15 | **0.090J** | 0.16 | ND | 0.14 | ND | 0.14 |
| Benzo(k)fluoranthene | 0.8 | 3.9 | ND | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | ND | 0.11 |
| Benzyl alcohol | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Benzoic acid | | | ND | 0.58 | ND | 0.59 | ND | 0.61 | ND | 0.63 | ND | 0.59 | ND | 0.59 |
| Benzyl butyl phthalate | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Biphenyl | | | ND | 0.41 | ND | 0.42 | ND | 0.43 | ND | 0.44 | ND | 0.41 | ND | 0.42 |
| Bis(2-chloroethoxy)methane | | | ND | 0.19 | ND | 0.2 | ND | 0.2 | ND | 0.21 | ND | 0.2 | ND | 0.2 |
| Bis(2-chloroethyl)ether | | | ND | 0.16 | ND | 0.16 | ND | 0.17 | ND | 0.18 | ND | 0.16 | ND | 0.16 |
| Bis(2-chloroisopropyl)ether | | | ND | 0.22 | ND | 0.22 | ND | 0.23 | ND | 0.23 | ND | 0.22 | ND | 0.22 |
| Bis(2-ethylhexyl)phthalate | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Carbazole | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Chrysene | 1 | 3.9 | **0.019J** | 0.11 | ND | 0.11 | ND | 0.11 | **0.025J** | 0.12 | ND | 0.11 | ND | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | ND | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | ND | 0.11 |
| Dibenzofuran | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Diethyl phthalate | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Dimethylphthalate | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Di-n-butylphthalate | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 1.8 |
| Di-n-octylphthalate | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Fluoranthene | 100 | 100 | **0.038J** | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | ND | 0.11 |
| Fluorene | 30 | 100 | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Hexachlorobenzene | | | ND | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | ND | 0.11 |
| Hexachlorobutadiene | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Hexachlorocyclopentadiene | | | ND | 0.51 | ND | 0.52 | ND | 0.54 | ND | 0.56 | ND | 0.52 | ND | 0.52 |
| Hexachloroethane | | | ND | 0.14 | ND | 0.15 | ND | 0.15 | ND | 0.16 | ND | 0.14 | ND | 0.14 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | **0.034J** | 0.14 | ND | 0.15 | ND | 0.15 | **0.079J** | 0.16 | ND | 0.14 | ND | 0.14 |
| Isophorone | | | ND | 0.16 | ND | 0.16 | ND | 0.17 | ND | 0.18 | ND | 0.16 | ND | 0.16 |
| Naphthalene | 12 | 100 | - | - | - | - | - | - | - | - | - | - | - | - |
| NDPA/DPA | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Nitrobenzene | | | ND | 0.14 | ND | 0.15 | ND | 0.15 | ND | 0.16 | ND | 0.14 | ND | 0.14 |
| N-Nitrosodimethylamine | | | ND | 0.16 | ND | 0.16 | ND | 0.17 | ND | 0.18 | ND | 0.16 | ND | 0.16 |
| N-Nitrosodi-n-propylamine | | | - | - | - | - | - | - | - | - | - | - | - | - |
| N-Nitrosodiphenylamine | | | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Pentachloronitrobenzene | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Pentachlorophenol | 0.8 | 6.7 | - | - | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | 100 | 100 | ND | 0.14 | ND | 0.15 | ND | 0.15 | ND | 0.16 | ND | 0.14 | ND | 0.14 |
| Phenol | 0.33 | 100 | **0.032J** | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | **0.022J** | 0.11 |
| Pyrene | 100 | 100 | ND | 0.18 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | - | - |
| Pyridine | | | **0.034J** | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | ND | 0.11 |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 4
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SS-1A | | SS-1B | | SS-2A | | SS-2B | | SS-3A | |
| | | | (0-2') | | (2-12') | | (0-2') | | (2-12') | | (0-2') | |
| | | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| 1,2,4,5-Tetrachlorobenzene | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 1,2,4-Trichlorobenzene | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 1,2-Dichlorobenzene | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 1,2-Diphenylhydrazine | | | - | - | - | - | - | - | - | - | - | - |
| 1,3-Dichlorobenzene | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 1,4-Dichlorobenzene | | | - | - | - | - | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 2,4,5-Trichlorophenol | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 2,4,6-Trichlorophenol | | | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | ND | 0.11 |
| 2,4-Dichlorophenol | | | ND | 0.16 | ND | 0.16 | ND | 0.18 | ND | 0.17 | ND | 0.16 |
| 2,4-Dimethylphenol | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 2,4-Dinitrophenol | | | ND | 0.86 | ND | 0.87 | ND | 0.94 | ND | 0.89 | ND | 0.87 |
| 2,4-Dinitrotoluene | | | ND | 0.18 | - | - | - | - | ND | 0.19 | ND | 0.18 |
| 2,6-Dinitrotoluene | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 2-Chloronaphthalene | | | - | - | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 2-Chlorophenol | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 2-Methylnaphthalene | | | ND | 0.22 | **0.081J** | 0.22 | ND | 0.23 | **0.150J** | 0.22 | **0.140J** | 0.22 |
| 2-Methylphenol (o-cresol) | 0.33 | 100 | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 2-Nitroaniline | | | ND | 0.18 | ND | 0.18 | - | - | - | - | ND | 0.18 |
| 2-Nitrophenol | | | ND | 0.39 | ND | 0.39 | ND | 0.42 | ND | 0.4 | ND | 0.39 |
| 3&4-Methylphenol (m&p-cresol) | 0.33 | 100 | ND | 0.26 | - | - | ND | 0.28 | ND | 0.27 | **0.028J** | 0.26 |
| 3,3'-Dichlorobenzidine | | | ND | 0.18 | **0.049J** | 0.26 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 3-Nitroaniline | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 4,6-Dinitro-2-methylphenol | | | - | - | ND | 0.47 | ND | 0.51 | ND | 0.48 | ND | 0.47 |
| 4-Bromophenyl phenyl ether | | | - | - | ND | 0.18 | ND | 0.2 | - | - | ND | 0.18 |
| 4-Chloro-3-methylphenol | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 4-Chloroaniline | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 4-Chlorophenyl phenyl ether | | | ND | 0.18 | ND | 0.18 | - | - | ND | 0.19 | ND | 0.18 |
| 4-Nitroaniline | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| 4-Nitrophenol | | | ND | 0.25 | ND | 0.25 | ND | 0.27 | ND | 0.26 | ND | 0.25 |
| Acenaphthene | 20 | 100 | **0.022J** | 0.14 | - | - | **0.100J** | 0.16 | **0.4** | 0.15 | **0.7** | 0.14 |
| Acenaphthylene | 100 | 100 | **0.2** | 0.14 | - | - | **0.28** | 0.16 | **0.19** | 0.15 | **0.42** | 0.14 |
| Acetophenone | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| Aniline | | | - | - | - | - | - | - | - | - | - | - |
| Anthracene | 100 | 100 | **0.22** | 0.11 | **1.2** | 0.11 | **0.62** | 0.12 | **0.76** | 0.11 | **2.1** | 0.11 |
| Benzidine | | | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | 1 | 1 | **0.85** | 0.11 | **3.9** | 0.11 | **2** | 0.12 | **1.7** | 0.11 | **5.5** | 0.11 |
| Benzo(a)pyrene | 1 | 1 | **0.71** | 0.14 | **4.5** | 0.14 | **1.7** | 0.16 | **1.6** | 0.15 | **4.7** | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | **1.4** | 0.11 | **8.5** | 0.22 | - | - | **2.3** | 0.11 | **6** | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | **0.61** | 0.14 | **3.6** | 0.14 | - | - | **1** | 0.15 | **2.6** | 0.14 |
| Benzo(k)fluoranthene | 0.8 | 3.9 | **0.32** | 0.11 | **1.7** | 0.11 | **0.79** | 0.12 | **0.5** | 0.11 | **1.8** | 0.11 |
| Benzyl alcohol | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| Benzoic acid | | | - | - | ND | 0.59 | ND | 0.63 | ND | 0.6 | ND | 0.59 |
| Benzyl butyl phthalate | | | ND | 0.18 | ND | 0.8 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| Biphenyl | | | ND | 0.41 | ND | 0.41 | ND | 0.45 | **0.048J** | 0.42 | **0.073J** | 0.41 |
| Bis(2-chloroethoxy)methane | | | ND | 0.19 | ND | 0.2 | ND | 0.21 | ND | 0.2 | ND | 0.2 |
| Bis(2-chloroethyl)ether | | | ND | 0.16 | ND | 0.16 | ND | 0.18 | ND | 0.17 | ND | 0.16 |
| Bis(2-chloroisopropyl)ether | | | ND | 0.22 | - | - | ND | 0.23 | ND | 0.22 | ND | 0.22 |
| Bis(2-ethylhexyl)phthalate | | | **0.120J** | 0.18 | **0.65** | 0.18 | ND | 0.2 | ND | 0.19 | **0.088J** | 0.18 |
| Carbazole | | | **0.055J** | 0.18 | **0.2** | 0.18 | **0.160J** | 0.2 | **0.47** | 0.19 | **0.73** | 0.18 |
| Chrysene | 1 | 3.9 | **0.82** | 0.11 | **4.3** | 0.11 | **1.9** | 0.12 | **1.9** | 0.11 | **4.7** | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | **0.19** | 0.11 | **1.2** | 0.11 | **0.3** | 0.12 | **0.28** | 0.11 | **0.77** | 0.11 |
| Dibenzofuran | | | **0.050J** | 0.18 | **0.21** | 0.18 | **0.074J** | 0.2 | **0.4** | 0.19 | **0.62** | 0.18 |
| Diethyl phthalate | | | ND | 0.18 | ND | 0.18 | - | - | ND | 0.19 | ND | 0.18 |
| Dimethylphthalate | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| Di-n-butylphthalate | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| Di-n-octylphthalate | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| Fluoranthene | 100 | 100 | **1.3** | 0.11 | **3.7** | 0.11 | **3.8** | 0.12 | **4.3** | 0.11 | **11** | 0.54 |
| Fluorene | 30 | 100 | **0.025J** | 0.18 | **0.094J** | 0.18 | **0.095J** | 0.2 | **0.34** | 0.19 | **0.71** | 0.18 |
| Hexachlorobenzene | | | ND | 0.11 | ND | 0.11 | ND | 0.12 | ND | 0.11 | ND | 0.11 |
| Hexachlorobutadiene | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| Hexachlorocyclopentadiene | | | ND | 0.51 | ND | 0.52 | ND | 0.56 | ND | 0.53 | ND | 0.52 |
| Hexachloroethane | | | ND | 0.14 | ND | 0.14 | ND | 0.16 | ND | 0.15 | ND | 0.14 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | **0.72** | 0.14 | **4.5** | 0.14 | **1.1** | 0.16 | **1.1** | 0.15 | **3** | 0.14 |
| Isophorone | | | ND | 0.16 | ND | 0.16 | ND | 0.18 | ND | 0.17 | ND | 0.16 |
| Naphthalene | 12 | 100 | - | - | - | - | - | - | - | - | - | - |
| NDPA/DPA | | | ND | 0.18 | **0.081J** | 0.18 | **0.046J** | 0.2 | **0.27** | 0.19 | **0.22** | 0.18 |
| Nitrobenzene | | | ND | 0.14 | ND | 0.14 | ND | 0.16 | ND | 0.15 | ND | 0.14 |
| N-Nitrosodimethylamine | | | ND | 0.16 | ND | 0.16 | ND | 0.18 | ND | 0.17 | ND | 0.16 |
| N-Nitrosodi-n-propylamine | | | - | - | - | - | - | - | - | - | - | 0. - |
| N-Nitrosodiphenylamine | | | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| Pentachloronitrobenzene | | | - | - | - | - | - | - | - | - | - | - |
| Pentachlorophenol | 0.8 | 6.7 | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | 100 | 100 | ND | 0.14 | ND | 0.14 | ND | 0.16 | ND | 0.15 | ND | 0.14 |
| Phenol | 0.33 | 100 | **0.62** | 0.11 | **1.8** | 0.11 | **2.2** | 0.12 | **4.2** | 0.11 | **8.8** | 0.54 |
| Pyrene | 100 | 100 | ND | 0.18 | ND | 0.18 | ND | 0.2 | ND | 0.19 | ND | 0.18 |
| Pyridine | | | **1.3** | 0.11 | **4.2** | 0.11 | **3.5** | 0.12 | **3.8** | 0.11 | **9.7** | 0.54 |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 4
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SS-3B | | SS-4A | | SS-4B | | Dup-1 | | Dup-2 | |
| | | | (2-12') | | (0-2') | | (2-12') | | | | | |
| | | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| 1,2,4,5-Tetrachlorobenzene | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 1,2,4-Trichlorobenzene | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 1,2-Dichlorobenzene | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 1,2-Diphenylhydrazine | | | - | - | - | - | - | - | - | - | - | - |
| 1,3-Dichlorobenzene | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 1,4-Dichlorobenzene | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2,4,5-Trichlorophenol | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2,4,6-Trichlorophenol | | | ND | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.18 | ND | 0.11 |
| 2,4-Dichlorophenol | | | ND | 0.16 | ND | 0.17 | ND | 0.17 | ND | 0.18 | ND | 0.16 |
| 2,4-Dimethylphenol | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | **0.062J** | 0.18 |
| 2,4-Dinitrophenol | | | ND | 0.86 | ND | 0.91 | ND | 0.91 | ND | 0.18 | ND | 0.88 |
| 2,4-Dinitrotoluene | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2,6-Dinitrotoluene | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2-Chloronaphthalene | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2-Chlorophenol | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2-Methylnaphthalene | | | **0.120J** | 0.21 | **0.095J** | 0.23 | **0.130J** | 0.23 | **0.043J** | 0.21 | **0.5** | 0.22 |
| 2-Methylphenol (o-cresol) | 0.33 | 100 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2-Nitroaniline | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 2-Nitrophenol | | | ND | 0.39 | ND | 0.41 | ND | 0.41 | ND | 0.18 | ND | 0.4 |
| 3&4-Methylphenol (m&p-cresol) | 0.33 | 100 | ND | 0.26 | ND | 0.27 | ND | 0.27 | **0.049J** | 0.25 | **0.76J** | 0.26 |
| 3,3'-Dichlorobenzidine | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 3-Nitroaniline | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4,6-Dinitro-2-methylphenol | | | ND | 0.46 | ND | 0.49 | ND | 0.49 | ND | 0.18 | ND | 0.48 |
| 4-Bromophenyl phenyl ether | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4-Chloro-3-methylphenol | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4-Chloroaniline | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4-Chlorophenyl phenyl ether | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4-Nitroaniline | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| 4-Nitrophenol | | | ND | 0.25 | ND | 0.27 | ND | 0.26 | ND | 0.24 | ND | 0.26 |
| Acenaphthene | 20 | 100 | **0.47** | 0.14 | **0.3** | 0.15 | **0.62** | 0.15 | **0.050J** | 0.14 | **0.82** | 0.15 |
| Acenaphthylene | 100 | 100 | **0.26** | 0.14 | **0.29** | 0.15 | **0.3** | 0.15 | **0.9** | 0.14 | **1** | 0.15 |
| Acetophenone | | | ND | 0.18 | **0.052J** | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Aniline | | | - | - | - | - | - | - | - | - | - | - |
| Anthracene | 100 | 100 | **1.3** | 0.11 | **0.65** | 0.11 | **1.1** | 0.11 | **0.62** | 0.1 | **2.7** | 0.11 |
| Benzidine | | | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | 1 | 1 | **2.8** | 0.11 | **1.8** | 0.11 | **3.4** | 0.11 | **2.7** | 0.1 | **4.6** | 0.11 |
| Benzo(a)pyrene | 1 | 1 | **2.4** | 0.14 | **1.6** | 0.15 | **3.1** | 0.15 | **2.7** | 0.14 | **4** | 0.15 |
| Benzo(b)fluoranthene | 1 | 1 | **3.1** | 0.11 | **2** | 0.11 | **4.2** | 0.11 | **4.8** | 0.1 | **5.4** | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | **1.5** | 0.14 | **1.1** | 0.15 | **1.9** | 0.15 | **2.1** | 0.14 | **2.2** | 0.15 |
| Benzo(k)fluoranthene | 0.8 | 3.9 | **0.94** | 0.11 | **0.076** | 0.11 | **1.1** | 0.11 | **1.5** | 0.1 | **1.6** | 0.11 |
| Benzyl alcohol | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Benzoic acid | | | ND | 0.58 | ND | 0.62 | ND | 0.62 | ND | 0.57 | ND | 0.59 |
| Benzyl butyl phthalate | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Biphenyl | | | **0.046J** | 0.41 | ND | 0.43 | **0.045J** | 0.43 | ND | 0.4 | **0.200J** | 0.42 |
| Bis(2-chloroethoxy)methane | | | ND | 0.19 | ND | 0.2 | ND | 0.2 | ND | 0.19 | ND | 0.2 |
| Bis(2-chloroethyl)ether | | | ND | 0.16 | ND | 0.17 | ND | 0.17 | ND | 0.16 | ND | 0.16 |
| Bis(2-chloroisopropyl)ether | | | ND | 0.21 | ND | 0.23 | ND | 0.23 | ND | 0.21 | ND | 0.22 |
| Bis(2-ethylhexyl)phthalate | | | ND | 0.18 | **0.26** | 0.19 | **0.44** | 0.19 | **0.43** | 0.18 | ND | 0.18 |
| Carbazole | | | **0.55** | 0.18 | **0.3** | 0.19 | **0.42** | 0.19 | **0.140J** | 0.18 | **1.2** | 0.18 |
| Chrysene | 1 | 3.9 | **2.6** | 0.11 | **1.8** | 0.11 | **3.7** | 0.11 | **2.7** | 0.1 | **4.4** | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | **0.39** | 0.11 | **0.28** | 0.11 | **0.56** | 0.11 | **0.68** | 0.1 | **0.67** | 0.11 |
| Dibenzofuran | | | **0.38** | 0.18 | **0.22** | 0.19 | **0.35** | 0.19 | **0.150J** | 0.18 | **1.3** | 0.18 |
| Diethyl phthalate | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Dimethylphthalate | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Di-n-butylphthalate | | | ND | 0.18 | **0.054J** | 0.19 | **0.120J** | 0.19 | ND | 0.18 | ND | 0.18 |
| Di-n-octylphthalate | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Fluoranthene | 100 | 100 | **6.1** | 0.11 | **3.8** | 0.11 | **6.8** | 0.11 | **3.5** | 0.1 | **12** | 0.55 |
| Fluorene | 30 | 100 | **0.41** | 0.18 | **0.27** | 0.19 | **0.39** | 0.19 | **0.085J** | 0.18 | **1.1** | 0.18 |
| Hexachlorobenzene | | | ND | 0.11 | ND | 0.11 | ND | 0.11 | ND | 0.1 | ND | 0.11 |
| Hexachlorobutadiene | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Hexachlorocyclopentadiene | | | ND | 0.51 | ND | 0.54 | ND | 0.54 | ND | 0.5 | ND | 0.52 |
| Hexachloroethane | | | ND | 0.14 | ND | 0.15 | ND | 0.15 | ND | 0.14 | ND | 0.15 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | **1.6** | 0.14 | **1.2** | 0.15 | **2.1** | 0.15 | **2.6** | 0.14 | **2.7** | 0.15 |
| Isophorone | | | ND | 0.16 | ND | 0.17 | ND | 0.17 | ND | 0.16 | ND | 0.16 |
| Naphthalene | 12 | 100 | - | - | - | - | - | - | - | - | - | - |
| NDPA/DPA | | | **0.25** | 0.18 | **0.170J** | 0.19 | **0.19** | 0.19 | **0.093J** | 0.18 | **0.93** | 0.18 |
| Nitrobenzene | | | ND | 0.14 | ND | 0.15 | ND | 0.15 | ND | 0.14 | ND | 0.15 |
| N-Nitrosodimethylamine | | | ND | 0.16 | ND | 0.17 | ND | 0.17 | ND | 0.16 | ND | 0.16 |
| N-Nitrosodi-n-propylamine | | | - | - | - | - | - | ] - | - | - | - | - |
| N-Nitrosodiphenylamine | | | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | ND | 0.18 |
| Pentachloronitrobenzene | | | - | - | - | - | - | - | - | - | - | - |
| Pentachlorophenol | 0.8 | 6.7 | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | 100 | 100 | ND | 0.14 | **0.054J** | 0.15 | ND | 0.15 | ND | 0.14 | ND | 0.15 |
| Phenol | 0.33 | 100 | **5.3** | 0.11 | **3.1** | 0.11 | **5.4** | 0.11 | **1.6** | 0.1 | **13** | 0.55 |
| Pyrene | 100 | 100 | ND | 0.18 | ND | 0.19 | ND | 0.19 | ND | 0.18 | **0.033J** | 0.18 |
| Pyridine | | | **5.4** | 0.11 | **3.6** | 0.11 | **6.4** | 0.11 | **3.8** | 0.1 | **10** | 0.55 |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

CCV-E - The value reported is ESTIMATED.

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 5
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Pesticides/PCBs/Herbicides

| | COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | NYDEC Part 375.6 Commercial Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SB-1A | | SB-1B | | SB-2A | | SB-2B | | SB-3A | | SB-3B | | SB-4A | | SB-4B | | SB-5A | |
| | | | | | (1-3') | | (12-14') | | (4-6') | | (13-15') | | (1-3') | | (11-13') | | (5-7') | | (13-15') | | (2-4') | |
| | | | | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | |
| | | | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | | | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| Pesticides | 4,4' -DDD | 0.0033 | 13 | 92 | **0.00306** | 0.00166 | **0.00417** | 0.00175 | ND | 0.00823 | ND | 0.00173 | ND | 0.00174 | ND | 0.00166 | **0.00423** | 0.00178 | ND | 0.00172 | ND | 0.00195 |
| | 4,4' -DDE | 0.0033 | 8.9 | 62 | ND | 0.00166 | ND | 0.00175 | **0.0107** | 0.00823 | ND | 0.00173 | ND | 0.00174 | ND | 0.00166 | **0.000860J** | 0.00178 | ND | 0.00172 | ND | 0.00195 |
| | 4,4' -DDT | 0.0033 | 7.9 | 47 | ND | 0.00312 | ND | 0.00328 | ND | 0.0154 | ND | 0.00324 | ND | 0.00327 | ND | 0.0031 | ND | 0.00334 | ND | 0.00323 | ND | 0.00366 |
| | a-BHC | 0.02 | 0.48 | 3.4 | ND | 0.692 | ND | 0.00073 | ND | 0.00343 | ND | 0.00072 | ND | 0.000727 | ND | 0.00069 | ND | 0.000742 | ND | 0.000719 | ND | 0.000813 |
| | a-Chlordane | 0.094 | 4.2 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Aldrin | 0.005 | 0.097 | 0.68 | ND | 0.00166 | ND | 0.00175 | ND | 0.00823 | ND | 0.00173 | ND | 0.00174 | ND | 0.00166 | ND | 0.00178 | ND | 0.00172 | ND | 0.00195 |
| | b-BHC | 0.036 | 0.36 | 3 | ND | 0.00166 | ND | 0.00175 | ND | 0.00823 | ND | 0.00173 | ND | 0.00174 | ND | 0.00166 | ND | 0.00178 | ND | 0.00172 | ND | 0.00195 |
| | Chlordane | 0.094 | 4.2 | 24 | ND | 0.0135 | ND | 0.0142 | ND | 0.0669 | ND | 0.014 | ND | 0.0142 | ND | 0.0134 | ND | 0.0145 | ND | 0.014 | ND | 0.0158 |
| | cis-Chlordane | | | | ND | 0.00208 | ND | 0.0218 | ND | 0.0103 | ND | 0.00216 | ND | 0.00218 | ND | 0.00207 | ND | 0.00223 | ND | 0.00216 | ND | 0.00244 |
| | d-BHC | 0.04 | 100 | 500 | ND | 0.00166 | ND | 0.00175 | ND | 0.00823 | ND | 0.00173 | ND | 0.00174 | ND | 0.00166 | ND | 0.00178 | ND | 0.00172 | ND | 0.00195 |
| | Dieldrin | 0.005 | 0.2 | 1.4 | ND | 0.00104 | ND | 0.00109 | ND | 0.00514 | ND | 0.00108 | ND | 0.00109 | ND | 0.00103 | ND | 0.00111 | ND | 0.00108 | ND | 0.00122 |
| | Endosulfan I | 2.4 | 24 | 200 | ND | 0.00166 | ND | 0.00175 | ND | 0.00823 | ND | 0.00173 | ND | 0.00174 | ND | 0.00166 | ND | 0.00178 | ND | 0.00172 | ND | 0.00195 |
| | Endosulfan II | 2.4 | 24 | 200 | ND | 0.00166 | ND | 0.00175 | ND | 0.00823 | ND | 0.00173 | ND | 0.00174 | ND | 0.00166 | ND | 0.00178 | ND | 0.00172 | ND | 0.00195 |
| | Endosulfan sulfate | 2.4 | 24 | 200 | ND | 0.000692 | ND | 0.00073 | ND | 0.00343 | ND | 0.00072 | ND | 0.000727 | ND | 0.00069 | ND | 0.000742 | ND | 0.000719 | ND | 0.000813 |
| | Endrin | 0.014 | 11 | 89 | ND | 0.000692 | ND | 0.00073 | ND | 0.00343 | ND | 0.00072 | ND | 0.000727 | ND | 0.00069 | ND | 0.000742 | ND | 0.000719 | ND | 0.000813 |
| | Endrin aldehyde | | | | ND | 0.00208 | ND | 0.00218 | ND | 0.0103 | ND | 0.00216 | ND | 0.00218 | ND | 0.00207 | ND | 0.00223 | ND | 0.00216 | ND | 0.00244 |
| | Endrin ketone | | | | ND | 0.00166 | ND | 0.00175 | ND | 0.00823 | ND | 0.00173 | ND | 0.00174 | ND | 0.00166 | ND | 0.00178 | ND | 0.00172 | ND | 0.00195 |
| | g-BHC | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | g-Chlordane | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Heptachlor | 0.042 | 2.1 | 15 | ND | 0.000831 | ND | 0.00087 | ND | 0.00412 | ND | 0.000864 | ND | 0.000873 | ND | 0.000828 | ND | 0.00089 | ND | 0.000'863 | ND | 0.000976 |
| | Heptachlor epoxide | | | | ND | 0.00312 | ND | 0.00328 | ND | 0.0154 | ND | 0.00324 | ND | 0.00327 | ND | 0.0031 | ND | 0.00334 | ND | 0.00323 | ND | 0.00366 |
| | Lindane | | | | ND | 0.000692 | ND | 0.00073 | ND | 0.00343 | ND | 0.00072 | ND | 0.000727 | ND | 0.00069 | ND | 0.000742 | ND | 0.000719 | ND | 0.000813 |
| | Methoxychlor | | | | ND | 0.00312 | ND | 0.003.28 | ND | 0.0154 | ND | 0.00324 | ND | 0.00327 | ND | 0.0031 | ND | 0.00334 | ND | 0.00323 | ND | 0.00366 |
| | Toxaphene | | | | ND | 0.0312 | ND | 0.0328 | ND | 0.0154 | ND | 0.0324 | ND | 0.0327 | ND | 0.031 | ND | 0.0334 | ND | 0.0323 | ND | 0.0366 |
| | trans-Chlordane | | | | ND | 0.00208 | ND | 0.00218 | ND | 0.0103 | ND | 0.00216 | ND | 0.00218 | ND | 0.00207 | ND | 0.00223 | ND | 0.00216 | ND | 0.00244 |
| PCBs | PCB-1016 | 0.1 | 1 | 1 | ND | 0.0342 | ND | 0.0358 | ND | 0.0357 | ND | 0.0364 | ND | 0.036 | ND | 0.0357 | ND | 0.0372 | ND | 0.0353 | ND | 0.0402 |
| | PCB-1221 | 0.1 | 1 | 1 | ND | 0.0342 | ND | 0.0358 | ND | 0.0357 | ND | 0.0364 | ND | 0.036 | ND | 0.0357 | ND | 0.0372 | ND | 0.0353 | ND | 0.0402 |
| | PCB-1232 | 0.1 | 1 | 1 | ND | 0.0342 | ND | 0.0358 | ND | 0.0357 | ND | 0.0364 | ND | 0.036 | ND | 0.0357 | ND | 0.0372 | ND | 0.0353 | ND | 0.0402 |
| | PCB-1242 | 0.1 | 1 | 1 | ND | 0.0342 | ND | 0.0358 | ND | 0.0357 | ND | 0.0364 | ND | 0.036 | ND | 0.0357 | ND | 0.0372 | ND | 0.0353 | ND | 0.0402 |
| | PCB-1248 | 0.1 | 1 | 1 | ND | 0.0342 | ND | 0.0358 | ND | 0.0357 | ND | 0.0364 | ND | 0.036 | ND | 0.0357 | ND | 0.0372 | ND | 0.0353 | ND | 0.0402 |
| | PCB-1254 | 0.1 | 1 | 1 | **0.020.8J** | 0.0342 | ND | 0.0358 | ND | 0.0357 | ND | 0.0364 | ND | 0.036 | ND | 0.0357 | ND | 0.0372 | **0.00338J** | 0.0353 | ND | 0.0402 |
| | PCB-1260 | 0.1 | 1 | 1 | ND | 0.0342 | ND | 0.0358 | ND | 0.0357 | ND | 0.0364 | ND | 0.036 | ND | 0.0357 | ND | 0.0372 | ND | 0.0353 | ND | 0.0402 |
| | PCB-1262 | 0.1 | 1 | 1 | ND | 0.0342 | ND | 0.0358 | ND | 0.0357 | ND | 0.0364 | ND | 0.036 | ND | 0.0357 | ND | 0.0372 | ND | 0.0353 | ND | 0.0402 |
| | PCB-1268 | 0.1 | 1 | 1 | ND | 0.0342 | ND | 0.0358 | ND | 0.0357 | ND | 0.0364 | ND | 0.036 | ND | 0.0357 | ND | 0.0372 | ND | 0.0353 | ND | 0.0402 |
| Herb | 2,4-D | | | | ND | 0.177 | ND | 0.181 | ND | 0.178 | ND | 0.186 | ND | 0.179 | ND | 0.181 | ND | 0.19 | ND | 0.178 | ND | 0.204 |
| | 2,4,5-T | | | | ND | 0.177 | ND | 0.181 | ND | 0.178 | ND | 0.186 | ND | 0.179 | ND | 0.181 | ND | 0.19 | ND | 0.178 | ND | 0.204 |
| | 2,4,5-TP (Silvex) | 3.8 | 100 | 500 | ND | 0.177 | ND | 0.181 | ND | 0.178 | ND | 0.186 | ND | 0.179 | ND | 0.181 | ND | 0.19 | ND | 0.178 | ND | 0.204 |

**Notes:**

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 5
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Pesticides/PCBs/Herbicides

| | COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | NYDEC Part 375.6 Commercial Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SB-5B | | SB-6A | | SB-6B | | SB-7A | | SB-7B | | SB-8A | | SB-8B | | Dup-1 | | Dup-2 | |
| | | | | | (12-14') | | (4-6') | | (13-15') | | (4-6') | | (12-14') | | (8-10') | | (13-15') | | | | | |
| | | | | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | |
| | | | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | | | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| Pesticides | 4,4' -DDD | 0.0033 | 13 | 92 | ND | 0.0017 | **0.0180J** | 0.0398 | ND | 0.00166 | ND | 0.00169 | ND | 0.00173 | ND | 0.00185 | ND | 0.00188 | ND | 0.00168 | ND | 0.0857 |
| | 4,4' -DDE | 0.0033 | 8.9 | 62 | ND | 0.0017 | ND | 0.0398 | ND | 0.00166 | ND | 0.00169 | ND | 0.00173 | ND | 0.00185 | ND | 0.00188 | ND | 0.0168 | ND | 0.0857 |
| | 4,4' -DDT | 0.0033 | 7.9 | 47 | ND | 0.00319 | ND | 0.0746 | ND | 0.00311 | ND | 0.00316 | ND | 0.00324 | ND | 0.00346 | ND | 0.00352 | ND | 0.00314 | ND | 0.161 |
| | a-BHC | 0.02 | 0.48 | 3.4 | ND | 0.00071 | ND | 0.0166 | ND | 0.000692 | ND | 0.000703 | ND | 0.000719 | ND | 0.000769 | ND | 0.000782 | ND | 0.000699 | ND | 0.0357 |
| | a-Chlordane | 0.094 | 4.2 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Aldrin | 0.005 | 0.097 | 0.68 | ND | 0.0017 | ND | 0.0398 | ND | 0.00166 | ND | 0.00169 | ND | 0.00173 | ND | 0.00185 | ND | 0.00188 | ND | 0.0168 | ND | 0.0857 |
| | b-BHC | 0.036 | 0.36 | 3 | ND | 0.0017 | ND | 0.0398 | ND | 0.00166 | ND | 0.00169 | ND | 0.00173 | ND | 0.00185 | ND | 0.00188 | ND | 0.0168 | ND | 0.0857 |
| | Chlordane | 0.094 | 4.2 | 24 | ND | 0.0138 | ND | 0.323 | ND | 0.0135 | ND | 0.0137 | ND | 0.014 | ND | 0.015 | ND | 0.0152 | ND | 0.0136 | ND | 0.696 |
| | cis-Chlordane | | | | ND | 0.0213 | ND | 0.0497 | ND | 0.00208 | ND | 0.00211 | ND | 0.00216 | ND | 0.00231 | ND | 0.00234 | ND | 0.0021 | ND | 0.107 |
| | d-BHC | 0.04 | 100 | 500 | ND | 0.0000017 | ND | 0.0398 | ND | 0.00166 | ND | 0.00169 | ND | 0.00173 | ND | 0.00185 | ND | 0.00188 | ND | 0.00168 | ND | 0.0857 |
| | Dieldrin | 0.005 | 0.2 | 1.4 | ND | 0.00106 | ND | 0.0249 | ND | 0.00104 | ND | 0.00105 | ND | 0.00108 | ND | 0.00115 | ND | 0.00117 | ND | 0.00105 | ND | 0.0536 |
| | Endosulfan I | 2.4 | 24 | 200 | ND | 0.0017 | ND | 0.0398 | ND | 0.00166 | ND | 0.00169 | ND | 0.00173 | ND | 0.00185 | ND | 0.00188 | ND | 0.00168 | ND | 0.0857 |
| | Endosulfan II | 2.4 | 24 | 200 | ND | 0.0017 | ND | 0.0398 | ND | 0.00166 | ND | 0.00169 | ND | 0.00173 | ND | 0.00185 | ND | 0.00188 | ND | 0.00168 | ND | 0.0857 |
| | Endosulfan sulfate | 2.4 | 24 | 200 | ND | 0.00071 | ND | 0.0166 | ND | 0.000692 | ND | 0.000703 | ND | 0.000719 | ND | 0.000769 | ND | 0.000782 | ND | 0.000699 | ND | 0.0357 |
| | Endrin | 0.014 | 11 | 89 | ND | 0.00071 | ND | 0.0166 | ND | 0.000692 | ND | 0.000703 | ND | 0.000719 | ND | 0.000769 | ND | 0.000782 | ND | 0.000699 | ND | 0.0357 |
| | Endrin aldehyde | | | | ND | 0.00213 | ND | 0.0497 | ND | 0.00208 | ND | 0.00211 | ND | 0.00216 | ND | 0.00231 | ND | 0.00234 | ND | 0.0021 | ND | 0.107 |
| | Endrin ketone | | | | ND | 0.0000017 | ND | 0.0398 | ND | 0.00166 | ND | 0.00169 | ND | 0.00173 | ND | 1.85 | ND | 0.00188 | ND | 0.00168 | ND | 0.0857 |
| | g-BHC | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | g-Chlordane | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Heptachlor | 0.042 | 2.1 | 15 | ND | 0.000852 | ND | 0.0199 | ND | 0.00083 | ND | 0.000844 | ND | 0.000863 | ND | 0.000923 | ND | 0.000938 | ND | 0.000838 | ND | 0.0429 |
| | Heptachlor epoxide | | | | ND | 0.00319 | ND | 0.0746 | ND | 0.00311 | ND | 0.00316 | ND | 0.00324 | ND | 0.00346 | ND | 0.00352 | ND | 0.00314 | ND | 0.00016 |
| | Lindane | | | | ND | 0.00071 | ND | 0.0166 | ND | 0.000692 | ND | 0.000703 | ND | 0.000719 | ND | 0.000769 | ND | 0.000782 | ND | 0.000699 | ND | 0.0357 |
| | Methoxychlor | | | | ND | 0.00319 | ND | 0.0746 | ND | 0.00311 | ND | 0.00316 | ND | 0.00324 | ND | 0.00346 | ND | 0.00352 | ND | 0.00314 | ND | 0.161 |
| | Toxaphene | | | | ND | 0.0319 | ND | 0.746 | ND | 0.0311 | ND | 0.0316 | ND | 0.0324 | ND | 0.0346 | ND | 0.0352 | ND | 0.0314 | ND | 1.61 |
| | trans-Chlordane | | | | ND | 0.00213 | ND | 0.0497 | ND | 0.00208 | ND | 0.00211 | ND | 0.00216 | ND | 0.00231 | ND | 0.00234 | ND | 0.0021 | ND | 0.107 |
| PCBs | PCB-1016 | 0.1 | 1 | 1 | ND | 0.0358 | ND | 0.205 | ND | 0.0349 | ND | 0.0361 | ND | 0.0361 | ND | 0.0383 | ND | 0.0387 | ND | 0.035 | ND | 0.0371 |
| | PCB-1221 | 0.1 | 1 | 1 | ND | 0.0358 | ND | 0.205 | ND | 0.0349 | ND | 0.0361 | ND | 0.00361 | ND | 0.0383 | ND | 0.0387 | ND | 0.035 | ND | 0.0371 |
| | PCB-1232 | 0.1 | 1 | 1 | ND | 0.0358 | ND | 0.205 | ND | 0.034.9 | ND | 0.0361 | ND | 0.00361 | ND | 0.0383 | ND | 0.0387 | ND | 0.035 | ND | 0.0371 |
| | PCB-1242 | 0.1 | 1 | 1 | ND | 0.0358 | ND | 0.205 | ND | 0.034.9 | ND | 0.0361 | ND | 0.00361 | ND | 0.0383 | ND | 0.0387 | ND | 0.035 | ND | 0.0371 |
| | PCB-1248 | 0.1 | 1 | 1 | ND | 0.0358 | ND | 0.205 | ND | 0.034.9 | ND | 0.0361 | ND | 0.00361 | ND | 0.0383 | ND | 0.0387 | ND | 0.035 | ND | 0.0371 |
| | PCB-1254 | 0.1 | 1 | 1 | ND | 0.0358 | **1.82** | 0.205 | **0.0285J** | 0.034.9 | **0.0151J** | 0.0361 | ND | 0.00361 | ND | 0.0383 | **0.0106J** | 0.0387 | ND | 0.035 | ND | 0.0371 |
| | PCB-1260 | 0.1 | 1 | 1 | ND | 0.0358 | ND | 0.205 | ND | 0.034.9 | ND | 0.0361 | ND | 0.00361 | ND | 0.0383 | ND | 0.0387 | ND | 0.035 | ND | 0.0371 |
| | PCB-1262 | 0.1 | 1 | 1 | ND | 0.0358 | ND | 0.205 | ND | 0.034.9 | ND | 0.0361 | ND | 0.00361 | ND | 0.0383 | ND | 0.0387 | ND | 0.035 | ND | 0.0371 |
| | PCB-1268 | 0.1 | 1 | 1 | ND | 0.0358 | ND | 0.205 | ND | 0.0349 | ND | 0.0361 | ND | 0.0361 | ND | 0.0383 | ND | 0.0387 | ND | 0.035 | ND | 0.0371 |
| Herb | 2,4-D | | | | ND | 0.182 | ND | 0.208 | ND | 0.181 | ND | 0.183 | ND | 0.181 | ND | 0.189 | ND | 0.192 | ND | 0.176 | ND | 0.183 |
| | 2,4,5-T | | | | ND | 0.182 | ND | 0.208 | ND | 0.181 | ND | 0.183 | ND | 0.181 | ND | 0.189 | ND | 0.192 | ND | 0.176 | ND | 0.183 |
| | 2,4,5-TP (Silvex) | 3.8 | 100 | 500 | ND | 0.182 | ND | 0.208 | ND | 0.181 | ND | 0.183 | ND | 0.181 | ND | 0.189 | ND | 0.192 | ND | 0.176 | ND | 0.183 |

**Notes:**

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 5
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
Pesticides/PCBs/Herbicides

| | COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | NYDEC Part 375.6 Commercial Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SS-1A | | SS-1B | | SS-2A | | SS-2B | | SS-3A | | SS-3B | | SS-4A | | SS-4B | |
| | | | | | (0-2') | | (2-12') | | (0-2') | | (2-12') | | (0-2') | | (2-12) | | (0-2') | | (2-12') | |
| | | | | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| | | | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | | | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| Pesticides | 4,4' -DDD | 0.0033 | 13 | 92 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 4,4' -DDE | 0.0033 | 8.9 | 62 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 4,4' -DDT | 0.0033 | 7.9 | 47 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | a-BHC | 0.02 | 0.48 | 3.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | a-Chlordane | 0.094 | 4.2 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Aldrin | 0.005 | 0.097 | 0.68 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | b-BHC | 0.036 | 0.36 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Chlordane | 0.094 | 4.2 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | cis-Chlordane | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | d-BHC | 0.04 | 100 | 500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Dieldrin | 0.005 | 0.2 | 1.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Endosulfan I | 2.4 | 24 | 200 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Endosulfan II | 2.4 | 24 | 200 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Endosulfan sulfate | 2.4 | 24 | 200 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Endrin | 0.014 | 11 | 89 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Endrin aldehyde | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Endrin ketone | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | g-BHC | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | g-Chlordane | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Heptachlor | 0.042 | 2.1 | 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Heptachlor epoxide | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Lindane | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Methoxychlor | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Toxaphene | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | trans-Chlordane | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PCBs | PCB-1016 | 0.1 | 1 | 1 | ND | 0.0368 | ND | 0.0366 | ND | 0.0388 | ND | 0.0378 | ND | 0.0715 | ND | 0.0358 | ND | 0.187 | ND | 0.19 |
| | PCB-1221 | 0.1 | 1 | 1 | ND | 0.0368 | ND | 0.0366 | ND | 0.0388 | ND | 0.0378 | ND | 0.0715 | ND | 0.0358 | ND | 0.187 | ND | 0.19 |
| | PCB-1232 | 0.1 | 1 | 1 | ND | 0.0368 | ND | 0.0366 | ND | 0.0388 | ND | 0.0378 | ND | 0.0715 | ND | 0.0358 | ND | 0.187 | ND | 0.19 |
| | PCB-1242 | 0.1 | 1 | 1 | ND | 0.0368 | ND | 0.0366 | ND | 0.0388 | ND | 0.0378 | ND | 0.0715 | ND | 0.0358 | ND | 0.187 | ND | 0.19 |
| | PCB-1248 | 0.1 | 1 | 1 | ND | 0.0368 | ND | 0.0366 | ND | 0.0388 | ND | 0.0378 | ND | 0.0715 | ND | 0.0358 | ND | 0.187 | ND | 0.19 |
| | PCB-1254 | 0.1 | 1 | 1 | **0.201** | 0.0368 | **0.00630J** | 0.0366 | **0.0209J** | 0.0388 | **0.00518J** | 0.0378 | **0.558** | 0.0715 | **0.264** | 0.0358 | **1.24** | 0.187 | **1.4** | 0.19 |
| | PCB-1260 | 0.1 | 1 | 1 | ND | 0.0368 | ND | 0.0366 | ND | 0.0388 | ND | 0.0378 | ND | 0.0715 | ND | 0.0358 | ND | 0.187 | ND | 0.19 |
| | PCB-1262 | 0.1 | 1 | 1 | ND | 0.0368 | ND | 0.0366 | ND | 0.0388 | ND | 0.0378 | ND | 0.0715 | ND | 0.0358 | ND | 0.187 | ND | 0.19 |
| | PCB-1268 | 0.1 | 1 | 1 | ND | 0.0368 | ND | 0.036.6 | ND | 0.0388 | ND | 0.0378 | ND | 0.0715 | ND | 0.0358 | ND | 0.187 | ND | 0.19 |
| Herb | 2,4-D | | | | ND | 0.183 | ND | 0.181 | ND | 0.199 | ND | 0.186 | ND | 0.18 | ND | 0.179 | ND | 0.191 | ND | 0.187 |
| | 2,4,5-T | | | | ND | 0.183 | ND | 0.181 | ND | 0.199 | ND | 0.186 | ND | 0.18 | ND | 0.179 | ND | 0.191 | ND | 0.187 |
| | 2,4,5-TP (Silvex) | 3.8 | 100 | 500 | ND | 0.183 | ND | 0.181 | ND | 0.199 | ND | 0.186 | ND | 0.18 | ND | 0.179 | ND | 0.191 | ND | 0.187 |

**Notes:**

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 6
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
TAL Metals

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | NYDEC Part 375.6 Commerical Soil Cleanup Objectives* | Alpha-Hydro Environmental Limited Phase II | | | Laurel Environmental Associates, LTD SCR | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SP-1 | SP-2 | SP-3 | SB-1A | | SB-1B | | SB-2A | | SB-2B | |
| | | | | (6-8') | (6-8') | (6-8') | (1-3') | | (12-14') | | (4-6') | | (13-15') | |
| | | | | 7/11/2014 | 7/12/2014 | 7/13/2014 | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | |
| | | | | µg/Kg | µg/Kg | µg/Kg | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | | Result | Result | Result | Result | RL | Result | RL | Result | RL | Result | RL |
| Aluminum | | | | - | - | - | **5870** | 8.46 | **3020** | 9.04 | **5710** | 8.24 | **3130** | 8.6 |
| Antimony | | | | - | - | - | **0.550J** | 4.23 | ND | 4.52 | ND | 4.12 | ND | 4.3 |
| Arsenic | 13 | 16 | 16 | **1.3** | **1.43** | **2.68** | **3.69** | 0.846 | **2.35** | 0.904 | **1.1** | 0.824 | **2.56** | 0.86 |
| Barium | 350 | 400 | 400 | **49.5** | **92.8** | **51.4** | **61.5** | 0.846 | **25.8** | 0.904 | **30.9** | 0.824 | **21** | 0.86 |
| Beryllium | 7.2 | 72 | 590 | - | - | - | **0.305J** | 0.423 | **0.443J** | 0.452 | **0.445** | 0.412 | **0.215J** | 0.43 |
| Cadmium | 2.5 | 4.3 | 9.3 | ND | ND | ND | **0.643J** | 0.846 | **0.271J** | 0.904 | **0.503J** | 0.824 | **0.258J** | 0.86 |
| Calcium | | | | - | - | - | **17900** | 8.46 | **1360** | 9.04 | **506** | 8.24 | **2650** | 8.6 |
| Chromium | 30 | 180 | 1,500 | **16** | **24.8** | **22.4** | **13.9** | 0.846 | **9.93** | 0.904 | **13.1** | 0.824 | **30.5** | 0.86 |
| Chromium, Hex | 1 | 110 | 400 | | | | **0.326J** | 0.87 | ND | 0.915 | ND | 0.875 | ND | 0.876 |
| Cobalt | | | | - | - | - | **5.22** | 1.69 | **4.94** | 1.81 | **5** | 1.65 | **3.34** | 1.72 |
| Copper | 50 | 270 | 270 | - | - | - | **53.5** | 0.846 | **18.1** | 0.904 | **11.4** | 0.824 | **12.6** | 0.86 |
| Cyanide | | | | | | | ND | 1.1 | ND | 1.1 | ND | 1 | ND | 1 |
| Iron | | | | - | - | - | **16400** | 4.23 | **10200** | 4.52 | **20900** | 4.12 | **11200** | 4.3 |
| Lead | 63 | 400 | 1,000 | **4.74** | **53.1** | **9.4** | **127** | 4.23 | **26.1** | 4.52 | **4.34** | 4.12 | **3.82J** | 4.3 |
| Magnesium | | | | - | - | - | **3730** | 8.46 | **1390** | 9.04 | **2220** | 8.24 | **1590** | 8.6 |
| Manganese | 1,600 | 2,000 | 10,000 | - | - | - | **287** | 0.846 | **276** | 0.904 | **574** | 0.824 | **180** | 0.86 |
| Mercury | 0.18 | 0.81 | 2.8 | ND | **0.163** | **0.0599** | **2.28** | 0.068 | ND | 0.072 | **0.042J** | 0.069 | ND | 0.069 |
| Nickel | 30 | 310 | 310 | - | - | - | **11.9** | 2.12 | **8.04** | 2.26 | **11.5** | 2.06 | **8.01** | 2.15 |
| Potassium | | | | - | - | - | **832** | 212 | **592** | 226 | **880** | 206 | **687** | 215 |
| Selenium | 3.9 | 180 | 1,500 | **3.43** | **2.44** | **3.16** | ND | 1.69 | ND | 1.81 | ND | 1.65 | ND | 1.72 |
| Silver | 2 | 180 | 1,500 | ND | ND | ND | ND | 0.846 | ND | 0.904 | ND | 0.824 | ND | 0.86 |
| Sodium | | | | - | - | - | **142J** | 169 | **101J** | 181 | **90.4J** | 165 | **115J** | 172 |
| Thallium | | | | - | - | - | ND | 1.69 | ND | 1.81 | ND | 1.65 | ND | 1.72 |
| Vanadium | | | | - | - | - | **18.1** | 0.846 | **14.8** | 0.904 | **18.6** | 0.824 | **13.9** | 0.86 |
| Zinc | 109 | 10,000 | 10,000 | - | - | - | **103** | 4.23 | **123** | 4.52 | **40.1** | 4.12 | **16.6** | 4.3 |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 6
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
TAL Metals

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | NYDEC Part 375.6 Commerical Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SB-3A | | SB-3B | | SB-4A | | SB-4B | | SB-5A | | SB-5B | | SB-6A | |
| | | | | (1-3') | | (11-13') | | (5-7') | | (13-15') | | (2-4') | | (12-14') | | (4-6') | |
| | | | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | |
| | | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| Aluminum | | | | **6850** | 8.68 | **5370** | 8.47 | **12500** | 9.56 | **6720** | 8.64 | **4260** | 9.93 | **6280** | 8.78 | **4480** | 8.44 |
| Antimony | | | | **0.582J** | 4.34 | ND | 4.24 | ND | 4.78 | ND | 4.32 | **2.20J** | 4.96 | ND | 4.39 | ND | 4.22 |
| Arsenic | 13 | 16 | 16 | **4.82** | 0.868 | **2.11** | 0.847 | **2.21** | 0.956 | **1.82** | 0.864 | **8.97** | 0.993 | **1.84** | 0.878 | **2.31** | 0.844 |
| Barium | 350 | 400 | 400 | **97.5** | 0.868 | **42.2** | 0.847 | **58.4** | 0.956 | **45.9** | 0.864 | **992** | 0.993 | **45.1** | 0.878 | **23.6** | 0.844 |
| Beryllium | 7.2 | 72 | 590 | **0.373J** | 0.434 | **0.356J** | 0.424 | **0.516** | 0.478 | **0.311J** | 0.432 | **0.208J** | 0.496 | **0.386J** | 0.439 | **0.270J** | 0.422 |
| Cadmium | 2.5 | 4.3 | 9.3 | **0.512J** | 0.868 | **0.441J** | 0.847 | **0.545J** | 0.956 | **0.441J** | 0.864 | **1.44** | 0.993 | **0.492J** | 0.878 | **0.396J** | 0.844 |
| Calcium | | | | **1700** | 8.68 | **963** | 8.47 | **971** | 9.56 | **967** | 8.64 | **13600** | 9.93 | **2000** | 8.78 | **1640** | 8.44 |
| Chromium | 30 | 180 | 1,500 | **16.9** | 0.868 | **14** | 0.847 | **24.5** | 0.956 | **20.5** | 0.864 | **38.1** | 0.993 | **17.8** | 0.878 | **12.2** | 0.844 |
| Chromium, Hex | 1 | 110 | 400 | ND | 0.925 | ND | 0.872 | ND | 0.992 | ND | 0.895 | - | - | ND | 0.882 | ND | 0.887 |
| Cobalt | | | | **5.59** | 1.74 | **7.68** | 1.69 | **10.6** | 1.91 | **7.11** | 1.73 | **4.38** | 1.99 | **7.65** | 1.76 | **4.45** | 1.69 |
| Copper | 50 | 270 | 270 | **33.5** | 0.868 | **16.3** | 0.847 | **21.9** | 0.956 | **18.9** | 0.864 | **107** | 0.993 | **17.2** | 0.878 | **12.9** | 0.844 |
| Cyanide | | | | ND | 1.1 | ND | 1.1 | ND | 1.2 | ND | 1.1 | - | - | ND | 1 | ND | 1.1 |
| Iron | | | | **15200** | 4.34 | **17600** | 4.24 | **22900** | 4.78 | **18400** | 4.32 | **12200** | 4.96 | **20400** | 4.39 | **14400** | 4.22 |
| Lead | 63 | 400 | 1,000 | **180** | 4.34 | **6.01** | 4.24 | **7.55** | 4.78 | **5.47** | 4.32 | **1040** | 4.96 | **8.07** | 4.39 | **15.1** | 4.22 |
| Magnesium | | | | **1900** | 8.68 | **1810** | 8.47 | **3550** | 9.56 | **2690** | 8.64 | **2370** | 9.93 | **2070** | 8.78 | **1780** | 8.44 |
| Manganese | 1,600 | 2,000 | 10,000 | **508** | 0.868 | **653** | 0.847 | **616** | 0.956 | **297** | 0.864 | **158** | 0.993 | **330** | 0.878 | **171** | 0.844 |
| Mercury | 0.18 | 0.81 | 2.8 | **1.25** | 0.072 | ND | 0.069 | ND | 0.08 | **0.022J** | 0.07 | **2.06** | 0.08 | **0.020J** | 0.069 | **0.141** | 0.07 |
| Nickel | 30 | 310 | 310 | **10.5** | 2.17 | **12.1** | 2.12 | **16** | 2.39 | **13.8** | 2.16 | **13.4** | 2.48 | **11.6** | 2.19 | **9.93** | 2.11 |
| Potassium | | | | **747** | 217 | **1280** | 212 | **1940** | 239 | **1490** | 216 | **482** | 248 | **1310** | 219 | **626** | 211 |
| Selenium | 3.9 | 180 | 1,500 | ND | 1.74 | ND | 1.69 | ND | 1.91 | ND | 1.73 | ND | 1.99 | ND | 1.76 | ND | 1.69 |
| Silver | 2 | 180 | 1,500 | ND | 0.868 | ND | 0.847 | ND | 0.956 | ND | 0.864 | **0.467J** | 0.993 | ND | 0.878 | ND | 0.844 |
| Sodium | | | | **67.3J** | 174 | **88.5J** | 169 | **71.9J** | 191 | **96.6J** | 173 | **148J** | 199 | **79.8J** | 176 | **132J** | 169 |
| Thallium | | | | ND | 1.74 | ND | 1.69 | ND | 1.91 | ND | 1.73 | ND | 1.99 | ND | 1.76 | ND | 1.69 |
| Vanadium | | | | **20.4** | 0.868 | **24.8** | 0.847 | **36.8** | 0.956 | **25.1** | 0.864 | **22.1** | 0.993 | **28.8** | 0.878 | **15.9** | 0.844 |
| Zinc | 109 | 10,000 | 10,000 | **88** | 4.34 | **33** | 4.24 | **45.9** | 4.78 | **26** | 4.32 | **1020** | 4.96 | **36.1** | 4.39 | **38.7** | 4.22 |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 6
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
TAL Metals

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | NYDEC Part 375.6 Commerical Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SB-6B | | SB-7A | | SB-7B | | SB-8A | | SB-8B | | Dup-1 | | Dup-2 | |
| | | | | (13-15') | | (4-6') | | (12-14') | | (8-10') | | (13-15') | | | | | |
| | | | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | |
| | | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| Aluminum | | | | **3880** | 8.42 | **7590** | 8.89 | **4840** | 9.15 | **6220** | 8.56 | **4270** | 8.94 | **5270** | 8.48 | **6840** | 8.51 |
| Antimony | | | | ND | 4.21 | ND | 4.44 | ND | 4.57 | ND | 4.28 | ND | 4.47 | ND | 4.24 | **0.689J** | 4.26 |
| Arsenic | 13 | 16 | 16 | **1.76** | 0.842 | **1.77** | 0.889 | **1.67** | 0.915 | **1.76** | 0.856 | **1.53** | 0.894 | **2.7** | 0.848 | **4.71** | 0.851 |
| Barium | 350 | 400 | 400 | **26.3** | 0.842 | **38.2** | 0.889 | **47.4** | 0.915 | **55** | 0.856 | **34.3** | 0.894 | **39.2** | 0.848 | **63.9** | 0.851 |
| Beryllium | 7.2 | 72 | 590 | **0.236J** | 0.421 | **0.346J** | 0.444 | **0.284J** | 0.457 | **0.394J** | 0.428 | **0.384J** | 0.447 | **0.297J** | 0.424 | **0.357J** | 0.426 |
| Cadmium | 2.5 | 4.3 | 9.3 | **0.312J** | 0.842 | **0.418J** | 0.889 | **0.320J** | 0.915 | **0.428J** | 0.856 | **0.474J** | 0.894 | **0.416J** | 0.848 | **0.545J** | 0.851 |
| Calcium | | | | **628** | 8.42 | **654** | 8.89 | **1040** | 9.15 | **357** | 8.56 | **1220** | 8.94 | **1260** | 8.48 | **2000** | 8.51 |
| Chromium | 30 | 180 | 1,500 | **11.7** | 0.842 | **18** | 0.889 | **13.7** | 0.915 | **13** | 0.856 | **12.2** | 0.894 | **11.2** | 0.848 | **15.8** | 0.851 |
| Chromium, Hex | 1 | 110 | 400 | ND | 0.882 | **0.220J** | 0.925 | ND | 0.95 | ND | 0.871 | ND | 0.898 | **0.205J** | 0.865 | ND | 0.89 |
| Cobalt | | | | **4.49** | 1.68 | **7.49** | 1.78 | **6.38** | 1.83 | **6.43** | 1.71 | **6.3** | 1.79 | **4.84** | 1.7 | **6.33** | 1.7 |
| Copper | 50 | 270 | 270 | **12.6** | 0.842 | **14.3** | 0.889 | **21.9** | 0.915 | **15.7** | 0.856 | **16.4** | 0.894 | **29.3** | 0.848 | **38.2** | 0.851 |
| Cyanide | | | | ND | 1.1 | ND | 1.1 | ND | 1.1 | ND | 1 | ND | 1.1 | ND | 1.1 | ND | 1.1 |
| Iron | | | | **13200** | 4.21 | **17500** | 4.44 | **12500** | 4.57 | **18200** | 4.28 | **13400** | 4.47 | **15200** | 4.24 | **17800** | 4.26 |
| Lead | 63 | 400 | 1,000 | **3.22J** | 4.21 | **6.06** | 4.44 | **7.67** | 4.57 | **5.42** | 4.28 | **11.7** | 4.47 | **128** | 4.24 | **154** | 4.26 |
| Magnesium | | | | **1420** | 8.42 | **2090** | 8.89 | **2250** | 9.15 | **1650** | 8.56 | **2480** | 8.94 | **1760** | 8.48 | **1990** | 8.51 |
| Manganese | 1,600 | 2,000 | 10,000 | **207** | 0.842 | **401** | 0.889 | **224** | 0.915 | **198** | 0.856 | **909** | 0.894 | **263** | 0.848 | **301** | 0.851 |
| Mercury | 0.18 | 0.81 | 2.8 | ND | 0.069 | **0.023J** | 0.073 | **0.018J** | 0.074 | ND | 0.068 | ND | 0.071 | **0.717** | 0.068 | **1.35** | 0.07 |
| Nickel | 30 | 310 | 310 | **8.87** | 2.1 | **13.4** | 2.22 | **12.8** | 2.29 | **10.3** | 2.14 | **10.6** | 2.24 | **10.4** | 2.12 | **11.3** | 2.13 |
| Potassium | | | | **534** | 210 | **1310** | 222 | **1580** | 229 | **1170** | 214 | **917** | 224 | **615** | 212 | **937** | 213 |
| Selenium | 3.9 | 180 | 1,500 | ND | 1.68 | ND | 1.78 | ND | 1.83 | ND | 1.71 | ND | 1.79 | ND | 1.7 | ND | 1.7 |
| Silver | 2 | 180 | 1,500 | ND | 0.842 | ND | 0.889 | ND | 0.915 | ND | 0.856 | ND | 0.894 | ND | 0.848 | ND | 0.851 |
| Sodium | | | | **97.8J** | 168 | **81.5J** | 178 | **124J** | 183 | **61.2J** | 171 | **126J** | 179 | **49.1J** | 170 | **128J** | 170 |
| Thallium | | | | ND | 1.68 | ND | 1.78 | ND | 1.83 | ND | 1.71 | **0.474J** | 1.79 | ND | 1.7 | ND | 1.7 |
| Vanadium | | | | **17.4** | 0.842 | **26** | 0.889 | **23** | 0.915 | **23.8** | 0.856 | **25.3** | 0.894 | **18.6** | 0.848 | **23.3** | 0.851 |
| Zinc | 109 | 10,000 | 10,000 | **16.1** | 4.21 | **28.3** | 4.44 | **26** | 4.57 | **30.4** | 4.28 | **24.8** | 4.47 | **43.5** | 4.24 | **154** | 4.26 |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 6
480 Flushing Ave
Brooklyn, New York
Soil Analytical Results
TAL Metals

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | NYDEC Part 375.6 Commerical Soil Cleanup Objectives* | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SS-1A | | SS-1B | | SS-2A | | SS-2B | | SS-3A | | SS-3B | | SS-4A | | SS-4B | |
| | | | | (0-2') | | (2-12') | | (0-2') | | (2-12') | | (0-2') | | (2-12) | | (0-2') | | (2-12') | |
| | | | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| | | | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | | mg/Kg | |
| | | | | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| Aluminum | | | | **6260** | 8.34 | **10200** | 8.65 | **8980** | 9.51 | **10700** | 9.02 | **4680** | 8.75 | **5720** | 8.6 | **5710** | 9.07 | **5130** | 9.02 |
| Antimony | | | | ND | 4.17 | **0.606J** | 4.33 | ND | 4.76 | ND | 4.51 | **0.367J** | 4.37 | **0.679J** | 4.3 | **1.40J** | 4.53 | **0.875J** | 4.51 |
| Arsenic | 13 | 16 | 16 | **4.1** | 0.834 | **8.52** | 0.865 | **3.29** | 0.951 | **3.76** | 0.902 | **4.46** | 0.875 | **4.53** | 0.86 | **5.83** | 0.907 | **5.17** | 0.902 |
| Barium | 350 | 400 | 400 | **193** | 0.834 | **94.2** | 0.865 | **51.4** | 0.951 | **107** | 0.902 | **234** | 0.875 | **72.1** | 0.86 | **249** | 0.907 | **225** | 0.902 |
| Beryllium | 7.2 | 72 | 590 | **0.367J** | 0.417 | **0.346J** | 0.433 | **0.276J** | 0.476 | **0.388J** | 0.451 | **0.254J** | 0.437 | **0.318J** | 0.43 | **0.208J** | 0.453 | **0.207J** | 0.451 |
| Cadmium | 2.5 | 4.3 | 9.3 | **0.467J** | 0.834 | ND | 0.865 | ND | 0.951 | ND | 0.902 | ND | 0.875 | **0.559J** | 0.86 | ND | 0.907 | ND | 0.902 |
| Calcium | | | | **2730** | 8.34 | **1720** | 8.65 | **1970** | 9.51 | **1530** | 9.02 | **3290** | 8.75 | **1800** | 8.6 | **30300** | 9.07 | **15500** | 9.02 |
| Chromium | 30 | 180 | 1,500 | **13.2** | 0.834 | **28.4** | 0.865 | **27.3** | 0.951 | **24.1** | 0.902 | **11.7** | 0.875 | **12.5** | 0.86 | **23** | 0.907 | **15.2** | 0.902 |
| Chromium, Hex | 1 | 110 | 400 | ND | 0.889 | ND | 0.882 | **0.289J** | 0.963 | ND | 0.917 | ND | 0.878 | ND | 0.878 | **0.546J** | 0.929 | **3.96** | 0.923 |
| Cobalt | | | | **5.83** | 1.67 | **7.8** | 1.73 | **9.4** | 1.9 | **8.94** | 1.8 | **4.62** | 1.75 | **10.4** | 1.72 | **5.05** | 1.81 | **4.71** | 1.8 |
| Copper | 50 | 270 | 270 | **93.1** | 0.834 | **30.5** | 0.865 | **28.4** | 0.951 | **20.6** | 0.902 | **28.6** | 0.875 | **21.6** | 0.86 | **69.3** | 0.907 | **43** | 0.902 |
| Cyanide | | | | ND | 1.1 | ND | 1 | ND | 1.2 | ND | 1.1 | ND | 1.1 | ND | 1 | **0.24J** | 1.1 | ND | 1.1 |
| Iron | | | | **16500** | 4.17 | **17300** | 4.33 | **18600** | 4.76 | **16600** | 4.51 | **16000** | 4.37 | **15300** | 4.3 | **14200** | 4.53 | **12500** | 4.51 |
| Lead | 63 | 400 | 1,000 | **564** | 4.17 | **77** | 4.33 | **58.5** | 4.76 | **43.2** | 4.51 | **260** | 4.37 | **120** | 4.3 | **602** | 4.53 | **443** | 4.51 |
| Magnesium | | | | **1800** | 8.34 | **2260** | 8.65 | **2480** | 9.51 | **2320** | 9.02 | **1450** | 8.75 | **1720** | 8.6 | **5560** | 9.07 | **2120** | 9.02 |
| Manganese | 1,600 | 2,000 | 10,000 | **327** | 0.834 | **432** | 0.865 | **341** | 0.951 | **438** | 0.902 | **315** | 0.875 | **548** | 0.86 | **242** | 0.907 | **226** | 0.902 |
| Mercury | 0.18 | 0.81 | 2.8 | **2.29** | 0.071 | **0.604** | 0.069 | **0.366** | 0.077 | **1.1** | 0.072 | **1.14** | 0.069 | **0.609** | 0.069 | **2.15** | 0.073 | **2.23** | 0.072 |
| Nickel | 30 | 310 | 310 | **11.2** | 2.08 | **13.3** | 2.16 | **14.1** | 2.38 | **12.7** | 2.25 | **10.9** | 2.19 | **11.6** | 2.15 | **9.96** | 2.27 | **9.15** | 2.25 |
| Potassium | | | | **744** | 208 | **1250** | 216 | **1390** | 238 | **1340** | 225 | **666** | 219 | **752** | 215 | **1080** | 227 | **1030** | 225 |
| Selenium | 3.9 | 180 | 1,500 | ND | 1.67 | **0.407J** | 1.73 | **0.409J** | 1.9 | ND | 1.8 | **0.560J** | 1.75 | ND | 1.72 | **0.771J** | 1.81 | **0.586J** | 1.8 |
| Silver | 2 | 180 | 1,500 | ND | 0.834 | ND | 0.865 | ND | 0.951 | ND | 0.902 | ND | 0.875 | ND | 0.86 | **0.326J** | 0.907 | ND | 0.902 |
| Sodium | | | | **55.9J** | 167 | **64.4J** | 173 | **63.6J** | 190 | **66.6J** | 180 | **77.4J** | 175 | **161J** | 172 | **250** | 181 | **196** | 180 |
| Thallium | | | | ND | 1.67 | ND | 1.73 | ND | 1.9 | ND | 1.8 | ND | 1.75 | ND | 1.72 | ND | 1.81 | ND | 1.8 |
| Vanadium | | | | **22.6** | 0.834 | **32.6** | 0.865 | **28.8** | 0.951 | **34.4** | 0.902 | **20.5** | 0.875 | **33.9** | 0.86 | **20** | 0.907 | **19** | 0.902 |
| Zinc | 109 | 10,000 | 10,000 | **94.5** | 4.17 | **68.8** | 4.33 | **51.8** | 4.76 | **46.5** | 4.51 | **158** | 4.37 | **155** | 4.3 | **337** | 4.53 | **236** | 4.51 |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 7
480 Flushing Avenue
Brooklyn, New York
Soil Analytical Results
Emerging Contaminants

| Compound | EBC 2021 Supplemental RI | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SB20-01 | | | | | | SB20-02 | | | | | | Soil Duplicate | |
| | (20-25) | | (25-30) | | (30-35) | | (20-25) | | (25-30) | | (30-35) | | SB2001 (30-35') | |
| | 1/25/2021 | | 1/25/20201 | | 1/25/2021 | | 1/25/20201 | | 1/25/2021 | | 1/25/20201 | | 1/25/2021 | |
| | ng/Kg | | µg/Kg | | µg/Kg | | µg/Kg | | µg/Kg | | µg/Kg | | µg/Kg | |
| | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| Perfluorobutanoic Acid (PFBA) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluoropentanoic Acid (PFPeA) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | 0.274 | ND | 0.253 | ND | 0.291 | ND | 0.276 | ND | 0.305 | ND | 0.286 | ND | 0.286 |
| Perfluorohexanoic Acid (PFHxA) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluoroheptanoic Acid (PFHpA) | ND | 0.274 | ND | 0.253 | ND | 0.291 | ND | 0.276 | ND | 0.305 | ND | 0.286 | ND | 0.286 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | 0.274 | ND | 0.253 | ND | 0.291 | ND | 0.276 | ND | 0.305 | ND | 0.286 | ND | 0.286 |
| Perfluorooctanoic Acid (PFOA) | ND | 0.274 | ND | 0.253 | ND | 0.291 | ND | 0.276 | ND | 0.305 | ND | 0.286 | ND | 0.286 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluorononanoic Acid (PFNA) | ND | 0.274 | ND | 0.253 | ND | 0.291 | ND | 0.276 | ND | 0.305 | ND | 0.286 | ND | 0.286 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | 0.274 | ND | 0.253 | ND | 0.291 | ND | 0.276 | ND | 0.305 | ND | 0.286 | ND | 0.286 |
| Perfluorodecanoic Acid (PFDA) | ND | 0.274 | ND | 0.253 | ND | 0.291 | ND | 0.276 | ND | 0.305 | ND | 0.286 | ND | 0.286 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluorooctanesulfonamide (FOSA) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluorododecanoic Acid (PFDoA) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| Perfluorotetradecanoic Acid (PFTA) | ND | 0.548 | ND | 0.506 | ND | 0.582 | ND | 0.552 | ND | 0.61 | ND | 0.571 | ND | 0.571 |
| **Combined PFOA and PFOS** | **ND** | | **ND** | | **ND** | | **ND** | | **ND** | | **ND** | | **ND** | |
| **Combined Total Detections** | **ND** | | **ND** | | **ND** | | **ND** | | **ND** | | **ND** | | **ND** | |

| COMPOUND | SB20-01 | | | | | | SB20-02 | | | | | | Soil Duplicate | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (20-25) | | (25-30) | | (30-35) | | (20-25) | | (25-30) | | (30-35) | | - | |
| | 1/25/2021 | | 1/25/20201 | | 1/25/2021 | | 1/25/20201 | | 1/25/2021 | | 1/25/20201 | | 1/25/2021 | |
| | µg/Kg | | µg/Kg | | µg/Kg | | µg/Kg | | µg/Kg | | µg/Kg | | µg/Kg | |
| | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL | Result | RL |
| 1,4-dioxane | < 79 | 79 | < 73 | 73 | < 83 | 83 | < 79 | 79 | < 82 | 82 | < 77 | 77 | < 83 | 83 |

**Notes:**
DL- Detection Limit
J- The value is estimated.
ND- Not Detected

Table 8
480 Flushing Ave
Brooklyn, New York
Groundwater Analytical Results
Volatile Organic Compounds

| Compound | NYSDEC Groundwater Quality Standards | AHE. Limited Phase II | | Laurel Environmental Associates, LTD SCR | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TW-1 | TW-2 | MW-A | | MW-B | | MW-C | | GW-Dup | |
| | | 7/11/2014 | 7/11/2014 | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | |
| | | µg/L | µg/L | µg/L | | µg/L | | µg/L | | µg/L | |
| | µg/L | Result | Result | Results | RL | Results | RL | Results | RL | Results | RL |
| 1,1,1,2-Tetrachlorothane | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,1,1-Trichloroethane | 5 | ND | **3.9** | **4.3** | 2.5 | **110** | 12 | **450** | 62 | **390** | 62 |
| 1,1,2,2-Tetrachloroethane | 5 | ND | ND | ND | 0.5 | ND | 2.5 | ND | 12 | ND | 12 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 5 | ND | ND | - | - | - | - | - | - | - | - |
| 1,1,2-Trichloroethane | 1 | ND | ND | ND | 1.5 | ND | 7.5 | ND | 38 | ND | 38 |
| 1,1-Dichloroethane | 5 | ND | ND | **0.83J** | 2.5 | **18** | 12 | ND | 62 | ND | 62 |
| 1,1-Dichloroethene | 5 | ND | ND | **0.42J** | 0.5 | **7.2** | 2.5 | **41** | 12 | **38** | 12 |
| 1,1-Dichloropropene | | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,2,3-Trichlorobenzene | | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,2,3-Trichloropropane | 0.04 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,2,4,5-Tetramethylbenzene | | | | ND | 2 | ND | 10 | ND | 50 | ND | 50 |
| 1,2,4-Trichlorobenzene | | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,2,4-Trimethylbenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,2-Dibromo-3-chloropropane | 0.04 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,2-Dibromoethane | | ND | ND | ND | 2 | ND | 10 | ND | 50 | ND | 50 |
| 1,2-Dichlorobenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,2-Dichloroethane | 0.6 | ND | ND | ND | 0.5 | ND | 2.5 | ND | 12 | ND | 12 |
| 1,2-Dichloropropane | 0.94 | ND | ND | ND | 1 | ND | 5 | ND | 25 | ND | 25 |
| 1,3,5-Trimethylbenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,3-Dichlorobenzene | | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,3-Dichloropropane | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,4-Dichlorobenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 1,4-Dioxane | 3 | ND | ND | ND | 250 | ND | 1200 | ND | 6200 | ND | 6200 |
| 2,2-Dichloropropane | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| 2-Chlorotoluene | 5 | ND | ND | - | - | - | - | - | - | - | - |
| 2-Hexanone (Methyl Butyl Ketone) | | - | - | ND | 5 | ND | 25 | ND | 120 | ND | 120 |
| 2-Isopropyltoluene | 5 | - | - | - | - | - | - | - | - | - | - |
| 4-Chlorotoluene | 5 | ND | ND | - | - | - | - | - | - | - | - |
| 4-Methyl-2-Pentanone | | - | - | ND | 5 | ND | 25 | ND | 120 | ND | 120 |
| Acetone | 50 | **4.1 CCV-E, B, J** | **3.2 CCV-E, B, J** | **2.0J** | 5 | ND | 25 | ND | 120 | ND | 120 |
| Acrolein | | - | - | - | - | - | - | - | - | - | - |
| Acrylonitrile | 5 | - | - | ND | 5 | ND | 25 | ND | 120 | ND | 120 |
| Benzene | 1 | ND | ND | ND | 0.5 | ND | 2.5 | ND | 12 | ND | 12 |
| Bromobenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Bromochloromethane | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Bromodichloromethane | | ND | ND | ND | 0.5 | ND | 2.5 | ND | 12 | ND | 12 |
| Bromoform | | ND | ND | ND | 2 | ND | 10 | ND | 50 | ND | 50 |
| Bromomethane | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Carbon Disulfide | 60 | - | - | ND | 5 | ND | 25 | ND | 120 | ND | 120 |
| Carbon tetrachloride | 5 | ND | ND | ND | 0.5 | ND | 2.5 | ND | 12 | ND | 12 |
| Chlorobenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Chloroethane | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Chloroform | 7 | **17** | ND | **2.9** | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Chloromethane | 60 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| cis-1,2-Dichloroethene | 5 | **4.3 J** | **20** | **120** | 2.5 | **340** | 12 | **280** | 62 | **310** | 62 |
| cis-1,3-Dichloropropene | | ND | ND | ND | 0.5 | ND | 2.5 | ND | 12 | ND | 12 |
| Dibromochloromethane | | ND | ND | ND | 0.5 | ND | 2.5 | ND | 12 | ND | 12 |
| Dibromomethane | 5 | ND | ND | ND | 5 | ND | 25 | ND | 120 | ND | 120 |
| Dichlorodifluoromethane | 5 | ND | ND | ND | 5 | ND | 25 | ND | 120 | ND | 120 |
| Ethyl ether | | | | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Ethylbenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Hexachlorobutadiene | 0.5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Isopropylbenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| m&p-Xylenes | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | ND | ND | ND | 5 | ND | 25 | ND | 120 | ND | 120 |
| Methyl t-butyl ether (MTBE) | 10 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Methylene chloride | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Naphthalene | 10 | ND | ND | **2.6** | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| n-Butylbenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| n-Propylbenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| o-Chlorotoluene | | | | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| o-Xylene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| p-Chlorotoluene | | | | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| p-Diethylbenzene | | | | ND | 2 | ND | 10 | ND | 50 | ND | 50 |
| p-Ethyltoluene | | | | ND | 2 | ND | 10 | ND | 50 | ND | 50 |
| p-Isopropyltoluene | | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| sec-Butylbenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Styrene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Tert-butyl alcohol | | - | - | - | - | - | - | - | - | - | - |
| tert-Butylbenzene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Tetrachloroethene | 5 | **32** | **65** | **67** | 0.5 | **610** | 2.5 | **2400** | 12 | **3100** | 12 |
| Tetrahydrofuran (THF) | | - | - | - | - | - | - | - | - | - | - |
| Toluene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| trans-1,2-Dichloroethene | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| trans-1,3-Dichloropropene | 0.4 | ND | ND | ND | 0.5 | ND | 2.5 | ND | 12 | ND | 12 |
| trans-1,4-dichloro-2-butene | 5 | - | - | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Trichloroethene | 5 | **8.1** | **17** | **27** | 0.5 | **160** | 2.5 | **350** | 12 | **380** | 12 |
| Trichlorofluoromethane | 5 | ND | ND | ND | 2.5 | ND | 12 | ND | 62 | ND | 62 |
| Trichlorotrifluoroethane | | - | - | - | - | - | - | - | - | - | - |
| Vinyl Acetate | | ND | ND | ND | 5 | ND | 25 | ND | 120 | ND | 120 |
| Vinyl Chloride | 2 | ND | ND | ND | 1 | **2.3J** | 5 | ND | 25 | ND | 25 |

**Notes:**
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated
RL - Reporting Limit
**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

Table 8
480 Flushing Ave
Brooklyn, New York
Groundwater Analytical Results
Volatile Organic Compounds

| Compound | NYSDEC Groundwater Quality Standards | EBC 2021 Supplemental RI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CW1-S | | CW1-I | | CW1-D | | CW2-S | | CW2-I | |
| | | 2/16/2021 | | 2/16/2021 | | 2/16/2021 | | 2/16/2021 | | 2/16/2021 | |
| | | µg/L | | µg/L | | µg/L | | µg/L | | µg/L | |
| | µg/L | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL |
| 1,1,1,2-Tetrachlorothane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,1,1-Trichloroethane | 5 | **2.1** | 5.0 | **1.5** | 5.0 | **5.9** | 5.0 | **1.6** | 5.0 | **1.6** | 5.0 |
| 1,1,2,2-Tetrachloroethane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 5 | - | - | - | - | - | - | - | - | - | - |
| 1,1,2-Trichloroethane | 1 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,1-Dichloroethane | 5 | < 5.0 | 5.0 | **0.43** | 5.0 | **0.68** | 5.0 | < 5.0 | 5.0 | **0.63** | 5.0 |
| 1,1-Dichloroethene | 5 | < 1.0 | 1.0 | **0.67** | 1.0 | **0.32** | 1.0 | < 1.0 | 1.0 | **0.7** | 1.0 |
| 1,1-Dichloropropene | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,2,3-Trichlorobenzene | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,2,3-Trichloropropane | 0.04 | < 0.25 | 0.25 | < 0.25 | 0.25 | < 0.25 | 0.25 | < 0.25 | 0.25 | < 0.25 | 0.25 |
| 1,2,4,5-Tetramethylbenzene | | - | - | - | - | - | - | - | - | - | - |
| 1,2,4-Trichlorobenzene | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,2,4-Trimethylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | **0.42** | 1.0 | < 1.0 | 1.0 |
| 1,2-Dibromo-3-chloropropane | 0.04 | < 0.50 | 0.50 | < 0.50 | 0.50 | < 0.50 | 0.50 | < 0.50 | 0.50 | < 0.50 | 0.50 |
| 1,2-Dibromoethane | | < 0.25 | 0.25 | < 0.25 | 0.25 | < 0.25 | 0.25 | < 0.25 | 0.25 | < 0.25 | 0.25 |
| 1,2-Dichlorobenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,2-Dichloroethane | 0.6 | < 0.60 | 0.60 | < 0.60 | 0.60 | < 0.60 | 0.60 | < 0.60 | 0.60 | < 0.60 | 0.60 |
| 1,2-Dichloropropane | 0.94 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,3,5-Trimethylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | **0.26** | 1.0 | < 1.0 | 1.0 |
| 1,3-Dichlorobenzene | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,3-Dichloropropane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,4-Dichlorobenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,4-Dioxane | 3 | - | - | - | - | - | - | - | - | - | - |
| 2,2-Dichloropropane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 2-Chlorotoluene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 2-Hexanone (Methyl Butyl Ketone) | | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 |
| 2-Isopropyltoluene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 4-Chlorotoluene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 4-Methyl-2-Pentanone | | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 |
| Acetone | 50 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | **9.7** | 5.0 | < 5.0 | 5.0 |
| Acrolein | | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Acrylonitrile | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Benzene | 1 | < 0.70 | 0.70 | < 0.70 | 0.70 | < 0.70 | 0.70 | < 0.70 | 0.70 | < 0.70 | 0.70 |
| Bromobenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Bromochloromethane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Bromodichloromethane | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | **0.41** | 1.0 | < 1.0 | 1.0 |
| Bromoform | | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Bromomethane | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Carbon Disulfide | 60 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Carbon tetrachloride | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Chlorobenzene | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Chloroethane | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Chloroform | 7 | **3.9** | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | **30** | 7.0 | **1.7** | 5.0 |
| Chloromethane | 60 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| cis-1,2-Dichloroethene | 5 | **5.6** | 1.0 | **170** | 10 | **34** | 5.0 | **4.7** | 1.0 | **190** | 20 |
| cis-1,3-Dichloropropene | | < 0.40 | 0.40 | < 0.40 | 0.40 | < 0.40 | 0.40 | < 0.40 | 0.40 | < 0.40 | 0.40 |
| Dibromochloromethane | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Dibromomethane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Dichlorodifluoromethane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Ethyl ether | | - | - | - | - | - | - | - | - | - | - |
| Ethylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | **0.46** | 1.0 | < 1.0 | 1.0 |
| Hexachlorobutadiene | 0.5 | < 0.50 | 0.50 | < 0.50 | 0.50 | < 0.50 | 0.50 | < 0.50 | 0.50 | < 0.50 | 0.50 |
| Isopropylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| m&p-Xylenes | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | **1.1** | 1.0 | < 1.0 | 1.0 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 |
| Methyl t-butyl ether (MTBE) | 10 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Methylene chloride | 5 | < 3.0 | 3.0 | < 3.0 | 3.0 | < 3.0 | 3.0 | < 3.0 | 3.0 | < 3.0 | 3.0 |
| Naphthalene | 10 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | **130** | 10 | < 1.0 | 1.0 |
| n-Butylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| n-Propylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| o-Chlorotoluene | | - | - | - | - | - | - | - | - | - | - |
| o-Xylene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | **0.79** | 1.0 | < 1.0 | 1.0 |
| p-Chlorotoluene | | - | - | - | - | - | - | - | - | - | - |
| p-Diethylbenzene | | - | - | - | - | - | - | - | - | - | - |
| p-Ethyltoluene | | - | - | - | - | - | - | - | - | - | - |
| p-Isopropyltoluene | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| sec-Butylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Styrene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Tert-butyl alcohol | | < 50 | 50 | < 50 | 50 | < 50 | 50 | < 50 | 50 | < 50 | 50 |
| tert-Butylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Tetrachloroethene | 5 | **74** | 5.0 | **100** | 10 | **34** | 5.0 | **76** | 10 | **220** | 20 |
| Tetrahydrofuran (THF) | | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Toluene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | **1.1** | 1.0 | < 1.0 | 1.0 |
| trans-1,2-Dichloroethene | 5 | < 5.0 | 5.0 | **0.54** | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | **0.53** | 5.0 |
| trans-1,3-Dichloropropene | 0.4 | < 0.40 | 0.40 | < 0.40 | 0.40 | < 0.40 | 0.40 | < 0.40 | 0.40 | < 0.40 | 0.40 |
| trans-1,4-dichloro-2-butene | 5 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 |
| Trichloroethene | 5 | **27** | 1.0 | **30** | 10 | **11** | 1.0 | **11** | 1.0 | **36** | 20 |
| Trichlorofluoromethane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Trichlorotrifluoroethane | | **0.5** | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | **1.5** | 1.0 | < 1.0 | 1.0 |
| Vinyl Acetate | | - | - | - | - | - | - | - | - | - | - |
| Vinyl Chloride | 2 | < 1.0 | 1.0 | **0.29** | 1.0 | < 1.0 | 1.0 | < 1.0 | 1.0 | **0.72** | 1.0 |

**Notes:**
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL)
RL - Reporting Limit
**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

Table 8
480 Flushing Ave
Brooklyn, New York
Groundwater Analytical Results
Volatile Organic Compounds

| Compound | NYSDEC Groundwater Quality Standards | EBC 2021 Supplemental RI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CW2-D | | CW3-S | | CW3-I | | CW3-D | | CW4-S | |
| | | 2/16/2021 | | 2/17/2021 | | 2/17/2021 | | 2/17/2021 | | 2/17/2021 | |
| | | µg/L | | µg/L | | µg/L | | µg/L | | µg/L | |
| | µg/L | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL |
| 1,1,1,2-Tetrachlorothane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,1,1-Trichloroethane | 5 | **21** | 5.0 | **27** | 5.0 | **290** | 100 | **3** | 5.0 | **280** | 100 |
| 1,1,2,2-Tetrachloroethane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 5 | - | - | - | - | - | - | - | - | - | - |
| 1,1,2-Trichloroethane | 1 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,1-Dichloroethane | 5 | **2.9** | 5.0 | **1.8** | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | **71** | 5.0 |
| 1,1-Dichloroethene | 5 | **1.1** | 1.0 | **0.74** | 1.0 | **18** | 5.0 | **0.53** | 1.0 | **4.2** | 1.0 |
| 1,1-Dichloropropene | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,2,3-Trichlorobenzene | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 20 | 20 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,2,3-Trichloropropane | 0.04 | < 0.25 | 0.25 | < 0.25 | 0.25 | < 5.0 | 5.0 | < 0.25 | 0.25 | < 0.25 | 0.25 |
| 1,2,4,5-Tetramethylbenzene | | - | - | - | - | - | - | - | - | - | - |
| 1,2,4-Trichlorobenzene | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 20 | 20 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,2,4-Trimethylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,2-Dibromo-3-chloropropane | 0.04 | < 0.50 | 0.50 | < 0.50 | 0.50 | < 10 | 10 | < 0.50 | 0.50 | < 0.50 | 0.50 |
| 1,2-Dibromoethane | | < 0.25 | 0.25 | < 0.25 | 0.25 | < 5.0 | 5.0 | < 0.25 | 0.25 | < 0.25 | 0.25 |
| 1,2-Dichlorobenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | **0.32** | 1.0 |
| 1,2-Dichloroethane | 0.6 | < 0.60 | 0.60 | < 0.60 | 0.60 | < 10 | 10 | < 0.60 | 0.60 | < 0.60 | 0.60 |
| 1,2-Dichloropropane | 0.94 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,3,5-Trimethylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,3-Dichlorobenzene | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,3-Dichloropropane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,4-Dichlorobenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 1,4-Dioxane | 3 | - | - | - | - | - | - | - | - | - | - |
| 2,2-Dichloropropane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 2-Chlorotoluene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 2-Hexanone (Methyl Butyl Ketone) | | < 2.5 | 2.5 | < 2.5 | 2.5 | < 50 | 50 | < 2.5 | 2.5 | < 2.5 | 2.5 |
| 2-Isopropyltoluene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 4-Chlorotoluene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| 4-Methyl-2-Pentanone | | < 2.5 | 2.5 | < 2.5 | 2.5 | < 50 | 50 | < 2.5 | 2.5 | < 2.5 | 2.5 |
| Acetone | 50 | < 5.0 | 5.0 | **20** | 5.0 | < 50 | 50 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Acrolein | | < 5.0 | 5.0 | < 5.0 | 5.0 | < 50 | 50 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Acrylonitrile | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 10 | 10 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Benzene | 1 | < 0.70 | 0.70 | < 0.70 | 0.70 | < 5.0 | 5.0 | < 0.70 | 0.70 | < 0.70 | 0.70 |
| Bromobenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Bromochloromethane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Bromodichloromethane | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 20 | 20 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Bromoform | | < 5.0 | 5.0 | < 5.0 | 5.0 | < 50 | 50 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Bromomethane | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Carbon Disulfide | 60 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 20 | 20 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Carbon tetrachloride | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Chlorobenzene | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Chloroethane | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | **2.7** | 5.0 |
| Chloroform | 7 | **1.2** | 5.0 | **2.2** | 5.0 | < 7.0 | 7.0 | **0.72** | 5.0 | **6.4** | 5.0 |
| Chloromethane | 60 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| cis-1,2-Dichloroethene | 5 | **110** | 10 | **51** | 10 | **25** | 20 | **3.7** | 1.0 | **28** | 1.0 |
| cis-1,3-Dichloropropene | | < 0.40 | 0.40 | < 0.40 | 0.40 | < 5.0 | 5.0 | < 0.40 | 0.40 | < 0.40 | 0.40 |
| Dibromochloromethane | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 20 | 20 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Dibromomethane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Dichlorodifluoromethane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Ethyl ether | | - | - | - | - | - | - | - | - | - | - |
| Ethylbenzene | 5 | < 1.0 | 1.0 | **6.3** | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Hexachlorobutadiene | 0.5 | < 0.50 | 0.50 | < 0.50 | 0.50 | < 4.0 | 4.0 | < 0.50 | 0.50 | < 0.50 | 0.50 |
| Isopropylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| m&p-Xylenes | 5 | < 1.0 | 1.0 | **22** | 1.0 | < 20 | 20 | < 1.0 | 1.0 | **0.44** | 1.0 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 50 | 50 | < 2.5 | 2.5 | < 2.5 | 2.5 |
| Methyl t-butyl ether (MTBE) | 10 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 20 | 20 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Methylene chloride | 5 | < 3.0 | 3.0 | < 3.0 | 3.0 | < 10 | 10 | < 3.0 | 3.0 | **1.3** | 3.0 |
| Naphthalene | 10 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 10 | 10 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| n-Butylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| n-Propylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| o-Chlorotoluene | | - | - | - | - | - | - | - | - | - | - |
| o-Xylene | 5 | < 1.0 | 1.0 | **6.7** | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| p-Chlorotoluene | | - | - | - | - | - | - | - | - | - | - |
| p-Diethylbenzene | | - | - | - | - | - | - | - | - | - | - |
| p-Ethyltoluene | | - | - | - | - | - | - | - | - | - | - |
| p-Isopropyltoluene | | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| sec-Butylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Styrene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Tert-butyl alcohol | | < 50 | 50 | < 50 | 50 | < 1000 | 1,000 | < 50 | 50 | < 50 | 50 |
| tert-Butylbenzene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Tetrachloroethene | 5 | **140** | 10 | **92** | 10 | **7,300** | 500 | **200** | 10 | **18** | 1.0 |
| Tetrahydrofuran (THF) | | < 5.0 | 5.0 | < 5.0 | 5.0 | < 50 | 50 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Toluene | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| trans-1,2-Dichloroethene | 5 | **0.3** | 5.0 | **0.32** | 5.0 | < 5.0 | 5.0 | **0.43** | 5.0 | **0.86** | 5.0 |
| trans-1,3-Dichloropropene | 0.4 | < 0.40 | 0.40 | < 0.40 | 0.40 | < 5.0 | 5.0 | < 0.40 | 0.40 | < 0.40 | 0.40 |
| trans-1,4-dichloro-2-butene | 5 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 50 | 50 | < 2.5 | 2.5 | < 2.5 | 2.5 |
| Trichloroethene | 5 | **27** | 1.0 | **24** | 1.0 | **45** | 20 | **24** | 1.0 | **23** | 1.0 |
| Trichlorofluoromethane | 5 | < 1.0 | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 1.0 | 1.0 |
| Trichlorotrifluoroethane | | < 1.0 | 1.0 | **0.86** | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | **3** | 1.0 |
| Vinyl Acetate | | - | - | - | - | - | - | - | - | - | - |
| Vinyl Chloride | 2 | **0.32** | 1.0 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | **22** | 1.0 |

**Notes:**
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL)
RL - Reporting Limit
**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

Table 8
480 Flushing Ave
Brooklyn, New York
Groundwater Analytical Results
Volatile Organic Compounds

| Compound | NYSDEC Groundwater Quality Standards | EBC 2021 Supplemental RI | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | CW4-I | | CW4-D | | Duplicate (CW1-D) | | Duplicate (CW4-S) | |
| | | 2/17/2021 | | 2/17/2021 | | 2/16/2021 | | 2/17/2021 | |
| | | µg/L | | µg/L | | µg/L | | µg/L | |
| | µg/L | Results | RL | Results | RL | Results | RL | Results | RL |
| 1,1,1,2-Tetrachlorothane | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 1,1,1-Trichloroethane | 5 | **29** | 5.0 | **96** | 50 | **270** | 100 | **6.1** | 5.0 |
| 1,1,2,2-Tetrachloroethane | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 5 | - | - | - | - | - | - | - | - |
| 1,1,2-Trichloroethane | 1 | < 1.0 | 1.0 | < 2.5 | 2.5 | < 1.0 | 1.0 | < 2.5 | 2.5 |
| 1,1-Dichloroethane | 5 | **16** | 5.0 | < 5.0 | 5.0 | **73** | 25 | < 5.0 | 5.0 |
| 1,1-Dichloroethene | 5 | **14** | 1.0 | **7.6** | 5.0 | **4.4** | 1.0 | < 5.0 | 5.0 |
| 1,1-Dichloropropene | | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 1,2,3-Trichlorobenzene | | < 1.0 | 1.0 | < 10 | 10 | < 1.0 | 1.0 | < 10 | 10 |
| 1,2,3-Trichloropropane | 0.04 | < 0.25 | 0.25 | < 2.5 | 2.5 | < 0.25 | 0.25 | < 2.5 | 2.5 |
| 1,2,4,5-Tetramethylbenzene | | - | - | - | - | - | - | - | - |
| 1,2,4-Trichlorobenzene | | < 1.0 | 1.0 | < 10 | 10 | < 1.0 | 1.0 | < 10 | 10 |
| 1,2,4-Trimethylbenzene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 1,2-Dibromo-3-chloropropane | 0.04 | < 0.50 | 0.50 | < 5.0 | 5.0 | < 0.50 | 0.50 | < 5.0 | 5.0 |
| 1,2-Dibromoethane | | < 0.25 | 0.25 | < 2.5 | 2.5 | < 0.25 | 0.25 | < 2.5 | 2.5 |
| 1,2-Dichlorobenzene | 5 | **0.64** | 1.0 | < 4.7 | 4.7 | **0.34** | 1.0 | < 4.7 | 4.7 |
| 1,2-Dichloroethane | 0.6 | < 0.60 | 0.60 | < 5.0 | 5.0 | < 0.60 | 0.60 | < 5.0 | 5.0 |
| 1,2-Dichloropropane | 0.94 | < 1.0 | 1.0 | < 2.5 | 2.5 | < 1.0 | 1.0 | < 2.5 | 2.5 |
| 1,3,5-Trimethylbenzene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 1,3-Dichlorobenzene | | < 1.0 | 1.0 | < 3.0 | 3.0 | < 1.0 | 1.0 | < 3.0 | 3.0 |
| 1,3-Dichloropropane | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 1,4-Dichlorobenzene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 1,4-Dioxane | 3 | - | - | - | - | - | - | - | - |
| 2,2-Dichloropropane | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 2-Chlorotoluene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 2-Hexanone (Methyl Butyl Ketone) | | < 2.5 | 2.5 | < 25 | 25 | < 2.5 | 2.5 | < 25 | 25 |
| 2-Isopropyltoluene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 4-Chlorotoluene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| 4-Methyl-2-Pentanone | | < 2.5 | 2.5 | < 25 | 25 | < 2.5 | 2.5 | < 25 | 25 |
| Acetone | 50 | < 5.0 | 5.0 | < 50 | 50 | < 5.0 | 5.0 | < 50 | 50 |
| Acrolein | | < 5.0 | 5.0 | < 25 | 25 | < 5.0 | 5.0 | < 25 | 25 |
| Acrylonitrile | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Benzene | 1 | < 0.70 | 0.70 | < 2.5 | 2.5 | < 0.70 | 0.70 | < 2.5 | 2.5 |
| Bromobenzene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| Bromochloromethane | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| Bromodichloromethane | | < 1.0 | 1.0 | < 10 | 10 | < 1.0 | 1.0 | < 10 | 10 |
| Bromoform | | < 5.0 | 5.0 | < 50 | 50 | < 5.0 | 5.0 | < 50 | 50 |
| Bromomethane | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Carbon Disulfide | 60 | < 1.0 | 1.0 | < 10 | 10 | < 1.0 | 1.0 | < 10 | 10 |
| Carbon tetrachloride | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| Chlorobenzene | 5 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| Chloroethane | 5 | **0.41** | 5.0 | < 5.0 | 5.0 | **2.8** | 5.0 | < 5.0 | 5.0 |
| Chloroform | 7 | **1.7** | 5.0 | < 7.0 | 7.0 | **6.2** | 5.0 | < 7.0 | 7.0 |
| Chloromethane | 60 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 | < 5.0 | 5.0 |
| cis-1,2-Dichloroethene | 5 | **260** | 10 | **21** | 10 | **27** | 5.0 | **35** | 10 |
| cis-1,3-Dichloropropene | | < 0.40 | 0.40 | < 2.5 | 2.5 | < 0.40 | 0.40 | < 2.5 | 2.5 |
| Dibromochloromethane | | < 1.0 | 1.0 | < 10 | 10 | < 1.0 | 1.0 | < 10 | 10 |
| Dibromomethane | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| Dichlorodifluoromethane | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| Ethyl ether | | - | - | - | - | - | - | - | - |
| Ethylbenzene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| Hexachlorobutadiene | 0.5 | < 0.50 | 0.50 | < 2.0 | 2.0 | < 0.50 | 0.50 | < 2.0 | 2.0 |
| Isopropylbenzene | 5 | **0.28** | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| m&p-Xylenes | 5 | **0.26** | 1.0 | < 10 | 10 | **0.42** | 1.0 | < 10 | 10 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | < 2.5 | 2.5 | < 25 | 25 | < 2.5 | 2.5 | < 25 | 25 |
| Methyl t-butyl ether (MTBE) | 10 | < 1.0 | 1.0 | < 10 | 10 | < 1.0 | 1.0 | < 10 | 10 |
| Methylene chloride | 5 | < 3.0 | 3.0 | < 5.0 | 5.0 | **1.3** | 3.0 | < 5.0 | 5.0 |
| Naphthalene | 10 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| n-Butylbenzene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| n-Propylbenzene | 5 | **0.28** | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| o-Chlorotoluene | | - | - | - | - | - | - | - | - |
| o-Xylene | 5 | **0.29** | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| p-Chlorotoluene | | - | - | - | - | - | - | - | - |
| p-Diethylbenzene | | - | - | - | - | - | - | - | - |
| p-Ethyltoluene | | - | - | - | - | - | - | - | - |
| p-Isopropyltoluene | | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| sec-Butylbenzene | 5 | **0.41** | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| Styrene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| Tert-butyl alcohol | | < 50 | 50 | < 500 | 500 | < 50 | 50 | - | - |
| tert-Butylbenzene | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| Tetrachloroethene | 5 | **28** | 10 | **1,400** | 100 | **15** | 5.0 | **33** | 10 |
| Tetrahydrofuran (THF) | | < 5.0 | 5.0 | < 50 | 50 | < 5.0 | 5.0 | < 50 | 50 |
| Toluene | 5 | **0.82** | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| trans-1,2-Dichloroethene | 5 | **1.3** | 5.0 | < 5.0 | 5.0 | **0.88** | 5.0 | < 5.0 | 5.0 |
| trans-1,3-Dichloropropene | 0.4 | < 0.40 | 0.40 | < 2.5 | 2.5 | < 0.40 | 0.40 | < 2.5 | 2.5 |
| trans-1,4-dichloro-2-butene | 5 | < 2.5 | 2.5 | < 25 | 25 | < 2.5 | 2.5 | < 25 | 25 |
| Trichloroethene | 5 | **57** | 10 | **63** | 10 | **24** | 1.0 | **10** | 10 |
| Trichlorofluoromethane | 5 | < 1.0 | 1.0 | < 5.0 | 5.0 | < 1.0 | 1.0 | < 5.0 | 5.0 |
| Trichlorotrifluoroethane | | **0.74** | 1.0 | < 5.0 | 5.0 | **3** | 1.0 | < 5.0 | 5.0 |
| Vinyl Acetate | | - | - | - | - | - | - | - | - |
| Vinyl Chloride | 2 | **200** | 10 | < 2.5 | 2.5 | **25** | 1.0 | < 2.5 | 2.5 |

**Notes:**
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL)
RL - Reporting Limit
**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

Table 9
480 Flushing Ave
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

| Compound | NYSDEC Groundwater Quality Standards | AHE. Limited Phase II | | Laurel Environmental Associates, LTD SCR | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TW-1 | TW-2 | MW-A | | MW-B | | MW-C | | GW-Dup | |
| | | 7/11/2014 | 7/11/2014 | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | |
| | | µg/L | µg/L | µg/L | | µg/L | | µg/L | | µg/L | |
| | µg/L | Result | Result | Results | RL | Results | RL | Results | RL | Results | RL |
| 1,2,4,5-Tetrachlorobenzene | | - | - | ND | 10 | ND | 10 | ND | 10 | ND | 10 |
| 1,2,4,5-Tetrachlorobenzene | | - | - | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 1,2,4-Trichlorobenzene | | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| 1,2-Dichlorobenzene | | ND | ND | - | - | - | - | - | - | - | - |
| 1,2-Diphenylhydrazine | | - | - | - | - | - | - | - | - | - | - |
| 1,3-Dichlorobenzene | 3 | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| 1,4-Dichlorobenzene | | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| 2,4,5-Trichlorophenol | 1 | ND | ND | ND | 5 | ND | 5 | **17000** | 150 | ND | 5 |
| 2,4,6-Trichlorophenol | 1 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 2,4-Dichlorophenol | | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 2,4-Dimethylphenol | | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 2,4-Dinitrophenol | 5 | ND | ND | ND | 20 | ND | 20 | ND | 20 | ND | 20 |
| 2,4-Dinitrotoluene | 5 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 2,6-Dinitrotoluene | 5 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 2-Chloronaphthalene | 10 | ND | ND | ND | 0.2 | ND | 0.2 | ND | 0.2 | ND | 0.2 |
| 2-Chlorophenol | 1 | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| 2-Methylnaphthalene | | ND | ND | **0.31** | 0.1 | ND | 0.1 | ND | 0.1 | ND | 0.1 |
| 2-Methylphenol (o-cresol) | 1 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 2-Nitroaniline | 5 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 2-Nitrophenol | 1 | ND | ND | ND | 10 | ND | 10 | ND | 10 | ND | 10 |
| 3&4-Methylphenol (m&p-cresol) | | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 3,3'-Dichlorobenzidine | 5 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 3-Nitroaniline | 5 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 4,6-Dinitro-2-methylphenol | 1 | ND | ND | ND | 10 | ND | 10 | ND | 10 | ND | 10 |
| 4-Bromophenyl phenyl ether | | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| 4-Chloro-3-methylphenol | 1 | ND | ND | - | - | - | - | - | - | - | - |
| 4-Chloroaniline | 5 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 4-Chlorophenyl phenyl ether | | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| 4-Nitroaniline | 5 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| 4-Nitrophenol | | ND | ND | ND | 10 | ND | 10 | ND | 10 | ND | 10 |
| Acenaphthene | 20 | **0.305** | **0.232** | **0.29** | 0.1 | ND | 0.1 | ND | 0.1 | ND | 0.1 |
| Acenaphthylene | | ND | ND | ND | 0.1 | ND | 0.1 | ND | 0.1 | ND | 0.1 |
| Acetophenone | | - | - | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| Aniline | 5 | ND | ND | - | - | - | - | - | - | - | - |
| Anthracene | 50 | **0.284** | **0.126** | **0.06J** | 0.1 | ND | 0.1 | ND | 0.1 | ND | 0.1 |
| Benzidine | 5 | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | 0.002 | ND | ND | **0.02J** | 0.1 | ND | 0.1 | **0.02J** | 0.1 | **0.03J** | 0.1 |
| Benzo(a)pyrene | | ND | ND | ND | 0.1 | ND | 0.1 | ND | 0.1 | **0.05J** | 0.1 |
| Benzo(b)fluoranthene | 0.002 | ND | ND | **0.02J** | 0.1 | ND | 0.1 | **0.02J** | 0.1 | **0.06J** | 0.1 |
| Benzo(ghi)perylene | | ND | ND | ND | 0.1 | ND | 0.1 | ND | 0.1 | **0.06J** | 0.1 |
| Benzo(k)fluoranthene | 0.002 | ND | ND | ND | 0.1 | ND | 0.1 | ND | 0.1 | ND | 0.1 |
| Benzoic acid | | ND | ND | ND | 50 | ND | 50 | ND | 50 | ND | 50 |
| Benzyl alcohol | | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| Benzyl butyl phthalate | 50 | ND | ND | ND | 5 | ND | 5 | ND | 2 | ND | 5 |
| Biphenyl | | - | - | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| Bis(2-chloroethoxy)methane | 5 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| Bis(2-chloroethyl)ether | 1 | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| Bis(2-chloroisopropyl)ether | | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| Bis(2-ethylhexyl)phthalate | 5 | ND | ND | ND | 3 | ND | 3 | ND | 3 | ND | 3 |
| Carbazole | | - | - | ND | 2 | ND | 2 | ND | 5 | ND | 2 |
| Chrysene | 0.002 | **0.0526 J** | ND | ND | 0.1 | ND | 0.1 | ND | 0.1 | ND | 0.1 |
| Dibenz(a,h)anthracene | | ND | ND | ND | 0.1 | ND | 0.1 | ND | 0.1 | ND | 0.1 |
| Dibenzofuran | | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| Diethyl phthalate | 50 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| Dimethylphthalate | 50 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| Di-n-butylphthalate | 50 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| Di-n-octylphthalate | 50 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| Fluoranthene | 50 | **0.421** | **0.147** | **0.10J** | 0.1 | ND | 0.1 | ND | 0.1 | ND | 0.1 |
| Fluorene | 50 | **0.158** | **0.189** | **0.13** | 0.1 | ND | 0.1 | ND | 0.1 | ND | 0.1 |
| Hexachlorobenzene | 0.04 | ND | ND | ND | 0.8 | ND | 0.8 | ND | 0.8 | ND | 0.8 |
| Hexachlorobutadiene | 0.5 | ND | ND | ND | 0.5 | ND | 0.5 | ND | 0.5 | ND | 0.5 |
| Hexachlorocyclopentadiene | 5 | ND | ND | ND | 20 | ND | 20 | ND | 20 | ND | 20 |
| Hexachloroethane | 5 | ND | ND | ND | 0.8 | ND | 0.8 | ND | 0.8 | ND | 0.8 |
| Indeno(1,2,3-cd)pyrene | 0.002 | ND | ND | ND | 0.1 | ND | 0.1 | ND | 0.1 | **0.05J** | 0.1 |
| Isophorone | 50 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| Naphthalene | 10 | **0.358** | **1.74** | **1.8** | 0.1 | **0.22** | 0.1 | ND | 0.1 | **0.08J** | 0.1 |
| NDPA/DPA | | **-** | **-** | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| Nitrobenzene | 0.4 | ND | ND | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| N-Nitrosodimethylamine | | - | - | - | - | - | - | - | - | - | - |
| N-Nitrosodi-n-propylamine | | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| N-Nitrosodiphenylamine | 50 | ND | ND | - | - | - | - | - | - | - | - |
| p-Chloro-m-cresol | | - | - | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| Pentachloronitrobenzene | | - | - | - | - | - | - | - | - | - | - |
| Pentachlorophenol | 1 | ND | ND | ND | 0.8 | ND | 0.8 | ND | 0.8 | ND | 0.8 |
| Phenanthrene | 50 | **1.29** | **0.579** | **0.4** | 0.1 | ND | 0.1 | **0.02J** | 0.1 | **0.02J** | 0.1 |
| Phenol | 50 | ND | ND | ND | 5 | ND | 5 | ND | 5 | ND | 5 |
| Pyrene | 50 | **0.316** | **0.105** | **0.08J** | 0.1 | ND | 0.1 | ND | 0.1 | ND | 0.1 |
| Pyridine | 50 | - | - | - | - | - | - | - | - | - | - |

**Notes:**
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated
RL - Reporting Limit
**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

Table 10
480 Flushing Ave
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs/Herbicides

| | COMPOUND | NYSDEC Groundwater Quality Standards | Laurel Environmental Associates, LTD SCR | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | MW-A | | MW-B | | MW-C | | GW-Dup | |
| | | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | |
| | | | µg/Kg | | µg/Kg | | µg/Kg | | µg/Kg | |
| | | µg/L | Result | RL | Result | RL | Result | RL | Result | RL |
| Pesticides | 4,4' -DDD | 0.3 | ND | 0.029 | ND | 0.029 | ND | 0.029 | ND | 0.029 |
| | 4,4' -DDE | 0.2 | ND | 0.029 | ND | 0.029 | ND | 0.029 | ND | 0.029 |
| | 4,4' -DDT | 0.2 | ND | 0.029 | ND | 0.029 | ND | 0.029 | ND | 0.029 |
| | a-BHC | 0.01 | ND | 0.014 | ND | 0.014 | ND | 0.014 | ND | 0.014 |
| | Aldrin | | ND | 0.014 | ND | 0.014 | ND | 0.014 | ND | 0.014 |
| | b-BHC | 0.04 | ND | 0.014 | ND | 0.014 | ND | 0.014 | ND | 0.014 |
| | Chlordane | 0.05 | ND | 0.143 | ND | 0.143 | ND | 0.143 | ND | 0.143 |
| | cis-Chlordane | 0.04 | ND | 0.014 | ND | 0.014 | ND | 0.014 | ND | 0.014 |
| | d-BHC | 0.004 | ND | 0.014 | ND | 0.014 | ND | 0.014 | ND | 0.014 |
| | Dieldrin | | ND | 0.029 | ND | 0.029 | ND | 0.029 | ND | 0.029 |
| | Endosulfan I | | ND | 0.014 | ND | 0.014 | ND | 0.014 | ND | 0.014 |
| | Endosulfan II | | ND | 0.029 | ND | 0.029 | ND | 0.029 | ND | 0.029 |
| | Endosulfan sulfate | | ND | 0.029 | ND | 0.029 | ND | 0.029 | ND | 0.029 |
| | Endrin | | ND | 0.029 | ND | 0.029 | ND | 0.029 | ND | 0.029 |
| | Endrin aldehyde | 5 | ND | 0.029 | ND | 0.029 | ND | 0.029 | ND | 0.029 |
| | Endrin ketone | 5 | ND | 0.029 | ND | 0.029 | ND | 0.029 | ND | 0.029 |
| | Heptachlor | 0.04 | ND | 0.014 | ND | 0.014 | ND | 0.014 | ND | 0.014 |
| | Heptachlor epoxide | 0.03 | ND | 0.014 | ND | 0.014 | ND | 0.014 | ND | 0.014 |
| | Lindane | | ND | 0.014 | ND | 0.014 | ND | 0.014 | ND | 0.014 |
| | Methoxychlor | 35 | ND | 0.143 | ND | 0.143 | ND | 0.143 | ND | 0.143 |
| | Toxaphene | 0.06 | ND | 0.143 | ND | 0.143 | ND | 0.143 | ND | 0.143 |
| | trans-Chlordane | | ND | 0.014 | ND | 0.014 | ND | 0.014 | ND | 0.014 |
| PCBs | PCB-1016 | 0.09 | ND | 0.083 | ND | 0.083 | ND | 0.083 | ND | 0.083 |
| | PCB-1221 | 0.09 | ND | 0.083 | ND | 0.083 | ND | 0.083 | ND | 0.083 |
| | PCB-1232 | 0.09 | ND | 0.083 | ND | 0.083 | ND | 0.083 | ND | 0.083 |
| | PCB-1242 | 0.09 | ND | 0.083 | ND | 0.083 | ND | 0.083 | ND | 0.083 |
| | PCB-1248 | 0.09 | ND | 0.083 | ND | 0.083 | ND | 0.083 | ND | 0.083 |
| | PCB-1254 | 0.09 | ND | 0.083 | ND | 0.083 | ND | 0.083 | ND | 0.083 |
| | PCB-1260 | 0.09 | ND | 0.083 | ND | 0.083 | ND | 0.083 | ND | 0.083 |
| | PCB-1262 | | ND | 0.083 | ND | 0.083 | ND | 0.083 | ND | 0.083 |
| | PCB-1268 | | ND | 0.083 | ND | 0.083 | ND | 0.083 | ND | 0.083 |
| Herb | 2,4-D | | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| | 2,4,5-T | | ND | 2 | ND | 2 | ND | 2 | ND | 2 |
| | 2,4,5-TP (Silvex) | | ND | 10 | ND | 10 | ND | 10 | ND | 10 |

**Notes:**

ND = Not Detected

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

Table 11
480 Flushing Ave,
Brooklyn, New York
Groundwater Analytical Results
Total Metals

| Compound | NYSDEC Groundwater Quality Standards | AHE. Limited Phase II | | Laurel Environmental Associates, LTD SCR | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TW-1 | TW-2 | MW-A | | MW-B | | MW-C | | GW-Dup | |
| | | 7/11/2014 | 7/11/2014 | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | |
| | | mg/L | mg/L | mg/L | | mg/L | | mg/L | | mg/L | |
| | mg/L | Result | Result | Results | RL | Results | RL | Results | RL | Result | RL |
| Aluminum | | - | - | **2.94** | 0.01 | **0.132** | 0.01 | **0.321** | 0.01 | **0.888** | 0.01 |
| Antimony | 0.003 | - | - | **0.00220J** | 0.004 | **0.00332J** | 0.004 | **0.00077J** | 0.004 | **0.00054J** | 0.004 |
| Arsenic | 0.025 | ND | **0.015** | **0.0025** | 0.0005 | **0.00029J** | 0.0005 | **0.00038J** | 0.0005 | **0.00075** | 0.0005 |
| Barium | 1 | **1.02** | **1.55** | **0.1649** | 0.0005 | **0.1233** | 0.0005 | **0.1265** | 0.0005 | **0.1345** | 0.0005 |
| Beryllium | 0.003 | - | - | **0.00036J** | 0.0005 | ND | 0.0005 | ND | 0.0005 | ND | 0.0005 |
| Cadmium | 0.005 | ND | **0.004** | **0.00031** | 0.0002 | **0.00038** | 0.0002 | **0.00016J** | 0.0002 | **0.00013J** | 0.0002 |
| Calcium | | - | - | **45.6** | 0.1 | **88.9** | 0.1 | **92.7** | 0.1 | **94.6** | 0.1 |
| Chromium | 0.05 | **0.02** | **0.05** | **0.00762** | 0.001 | **0.00077J** | 0.001 | **0.00114** | 0.001 | **0.00259** | 0.001 |
| Chromium, Hexavalent | | | | ND | 0.01 | ND | 0.01 | ND | 0.01 | ND | 0.01 |
| Cobalt | | - | - | **0.00775** | 0.0005 | **0.00654** | 0.0005 | **0.0036** | 0.0005 | **0.00347** | 0.0005 |
| Copper | 0.2 | - | - | **0.01478** | 0.001 | **0.00118** | 0.001 | **0.00294** | 0.001 | **0.00548** | 0.001 |
| Cyanide | | | | ND | 0.005 | **0.002J** | 0.005 | **0.029** | 0.005 | **0.031** | 0.005 |
| Iron | 0.3 | - | - | **8.84** | 0.05 | **1.26** | 0.05 | **0.712** | 0.05 | **1.97** | 0.05 |
| Lead | 0.025 | **0.037** | **0.147** | **0.01228** | 0.001 | **0.00070J** | 0.001 | **0.00838** | 0.001 | **0.01009** | 0.001 |
| Magnesium | 35 | - | - | **10.6** | 0.07 | **15.2** | 0.07 | **22.9** | 0.07 | **23.6** | 0.07 |
| Manganese | 0.3 | - | - | **4.741** | 0.001 | **6.621** | 0.001 | **1.302** | 0.001 | **0.8666** | 0.001 |
| Mercury | 0.0007 | ND | ND | **0.00010J** | 0.0002 | ND | 0.0002 | ND | 0.0002 | ND | 0.0002 |
| Nickel | 0.1 | - | - | **0.01211** | 0.002 | **0.01847** | 0.002 | **0.00795** | 0.002 | **0.00893** | 0.002 |
| Potassium | | - | - | **7.04** | 0.1 | **8.18** | 0.1 | **8.61** | 0.1 | **8.73** | 0.1 |
| Selenium | 0.01 | ND | **0.017** | **0.00184J** | 0.005 | ND | 0.005 | **0.00400J** | 0.005 | **0.00435J** | 0.005 |
| Silver | 0.05 | ND | ND | **0.00025J** | 0.0004 | **0.00018J** | 0.0004 | ND | 0.0004 | ND | 0.0004 |
| Sodium | 20 | - | - | **66.1** | 0.1 | **28.7** | 0.1 | **39.1** | 0.1 | **39.3** | 0.1 |
| Thallium | 0.0005 | - | - | **0.00021J** | 0.0005 | ND | 0.0005 | ND | 0.0005 | ND | 0.0005 |
| Vanadium | | - | - | **0.01** | 0.005 | ND | 0.005 | ND | 0.005 | **0.00272J** | 0.005 |
| Zinc | 5 | - | - | **0.01968** | 0.01 | **0.03706** | 0.01 | **0.00658J** | 0.01 | **0.00930J** | 0.01 |

**Notes:**

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

Table 12
480 Flushing Ave
Brooklyn, New York
Groundwater Analytical Results
Filtered Metals

| Compound | NYSDEC Groundwater Quality Standards | Laurel Environmental Associates, LTD SCR | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MW-A | | MW-B | | MW-C | | GW-Dup | |
| | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | |
| | | mg/L | | mg/L | | mg/L | | mg/L | |
| | mg/L | Results | RL | Results | RL | Results | RL | Result | RL |
| Aluminum | | ND | 0.01 | ND | 0.01 | ND | 0.01 | ND | 0.01 |
| Antimony | 0.003 | ND | 0.004 | **0.00375J** | 0.004 | ND | 0.004 | ND | 0.004 |
| Arsenic | 0.025 | ND | 0.0005 | ND | 0.0005 | ND | 0.0005 | ND | 0.0005 |
| Barium | 1 | **0.1258** | 0.0005 | **0.1251** | 0.0005 | **0.1198** | 0.0005 | **0.1226** | 0.0005 |
| Beryllium | 0.003 | ND | 0.0005 | ND | 0.0005 | ND | 0.0005 | ND | 0.0005 |
| Cadmium | 0.005 | **0.00014J** | 0.0002 | **0.00042** | 0.0002 | **0.00015J** | 0.0002 | **0.00012J** | 0.0002 |
| Calcium | | **48.2** | 0.1 | **95.6** | 0.1 | **91.9** | 0.1 | **96.4** | 0.1 |
| Chromium | 0.05 | ND | 0.001 | ND | 0.001 | **0.00022J** | 0.001 | **0.00019J** | 0.001 |
| Cobalt | | **0.00355** | 0.0005 | **0.00718** | 0.0005 | **0.00344** | 0.0005 | **0.00262** | 0.0005 |
| Copper | 0.2 | **0.00075J** | 0.001 | **0.00047J** | 0.001 | **0.00072J** | 0.001 | **0.00063J** | 0.001 |
| Iron | 0.3 | ND | 0.05 | **0.252** | 0.05 | **0.0199J** | 0.05 | **0.0223J** | 0.05 |
| Lead | 0.025 | ND | 0.001 | ND | 0.001 | ND | 0.001 | ND | 0.001 |
| Magnesium | 35 | **9.88** | 0.07 | **16.5** | 0.07 | **22.6** | 0.07 | **23.8** | 0.07 |
| Manganese | 0.3 | **4.71** | 0.001 | **7.088** | 0.001 | **0.9082** | 0.001 | **0.7506** | 0.001 |
| Mercury | 0.0007 | ND | 0.0002 | ND | 0.0002 | ND | 0.0002 | ND | 0.0002 |
| Nickel | 0.1 | **0.00426** | 0.002 | **0.01912** | 0.002 | **0.00724** | 0.002 | **0.00629** | 0.002 |
| Potassium | | **6.75** | 0.1 | **8.87** | 0.1 | **8.56** | 0.1 | **8.82** | 0.1 |
| Selenium | 0.01 | ND | 0.005 | ND | 0.005 | **0.00426J** | 0.005 | **0.00452J** | 0.005 |
| Silver | 0.05 | ND | 0.0004 | **0.00030J** | 0.0004 | ND | 0.0004 | ND | 0.0004 |
| Sodium | 20 | **68.7** | 0.1 | **33.3** | 0.1 | **37.2** | 0.1 | **39.7** | 0.1 |
| Thallium | 0.0005 | ND | 0.0005 | ND | 0.0005 | ND | 0.0005 | ND | 0.0005 |
| Vanadium | | ND | 0.005 | ND | 0.005 | ND | 0.005 | ND | 0.005 |
| Zinc | 5 | **0.00378J** | 0.01 | **0.04118** | 0.01 | ND | 0.01 | ND | 0.01 |

**Notes:**

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

Table 13
480 Flushing Ave
Brooklyn, New York
Groundwater Analytical Results
PFAS

| Compound | Laurel Environmental Associates, LTD SCR | | | | | | | | EBC 2021 Supplemental RI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-A | | MW-B | | MW-C | | GW-Dup | | CW1-S | | CW1-I | | CW1-D | | CW2-S | | CW2-I | |
| | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 2/16/2021 | | 2/16/2021 | | 2/16/2021 | | 2/16/2021 | | 2/16/2021 | |
| | ng/L | | ng/L | | ng/L | | ng/L | | ng/L | | ng/L | | ng/L | | ng/L | | ng/L | |
| | Results | RL | Results | RL | Results | RL | Result | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL |
| Perfluorobutanoic Acid (PFBA) | **9.13** | 1.78 | **13** | 1.78 | **15.2** | 1.85 | **15.4** | 1.72 | **12.6** | 1.98 | **10** | 1.98 | **11.7** | 1.92 | **4.53J** | 16.7 | **10.4** | 2.03 |
| Perfluoropentanoic Acid (PFPeA) | **12** | 1.78 | **15.6** | 1.78 | **35** | 1.85 | **36.3** | 1.72 | **20.2** | 1.98 | **15.2** | 1.98 | **20.7** | 1.92 | **7.23J** | 16.7 | **19.4** | 2.03 |
| Perfluorobutanesulfonic Acid (PFBS) | **2.5** | 1.78 | **3.95** | 1.78 | **5.73** | 1.85 | **6** | 1.72 | **4.02** | 1.98 | **6.18** | 1.98 | **8.5** | 1.92 | ND | 16.7 | **6.74** | 2.03 |
| Perfluorohexanoic Acid (PFHxA) | **9.14** | 1.78 | **14** | 1.78 | **25.3** | 1.85 | **25.6** | 1.72 | **23.2** | 1.98 | **13.4** | 1.98 | **18.6** | 1.92 | **6.33J** | 16.7 | **15.4** | 2.03 |
| Perfluoroheptanoic Acid (PFHpA) | **5.74** | 1.78 | **10.2** | 1.78 | **16.9** | 1.85 | **17.5** | 1.72 | **27.4** | 1.98 | **11.7** | 1.98 | **16.1** | 1.92 | **3.87J** | 16.7 | **12** | 2.03 |
| Perfluorohexanesulfonic Acid (PFHxS) | **1.81** | 1.78 | **3.03** | 1.78 | **3.92** | 1.85 | **4.02** | 1.72 | **3.62** | 1.98 | **6.78** | 1.98 | **10** | 1.92 | ND | 16.7 | **7.35** | 2.03 |
| Perfluorooctanoic Acid (PFOA) | **29** | 1.78 | **57.9** | 1.78 | **69.2** | 1.85 | **67.9** | 1.72 | **43.2** | 1.98 | **74.7** | 1.98 | **108** | 1.92 | **16.8** | 16.7 | **64.6** | 2.03 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | 1.78 | ND | 1.78 | ND | 1.85 | ND | 1.72 | **2.04** | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | **2.85** | 2.03 |
| Perfluoroheptanesulfonic Acid (PFHpS) | **0.725J** | 1.78 | **0.878J** | 1.78 | ND | 1.85 | ND | 1.72 | ND | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | **0.793JF** | 2.03 |
| Perfluorononanoic Acid (PFNA) | **2.15** | 1.78 | **4.36** | 1.78 | **4.62** | 1.85 | **4.45** | 1.72 | **4.67** | 1.98 | **1.70J** | 1.98 | **1.55J** | 1.92 | **3.33JF** | 16.7 | **1.61J** | 2.03 |
| Perfluorooctanesulfonic Acid (PFOS) | **21.4** | 1.78 | **44.4** | 1.78 | **18.4** | 1.85 | **19.3** | 1.72 | **116** | 1.98 | **38.9** | 1.98 | **30.1** | 1.92 | **51.7** | 16.7 | **56.7** | 2.03 |
| Perfluorodecanoic Acid (PFDA) | **3.98** | 1.78 | **0.846J** | 1.78 | **1.27J** | 1.85 | **0.976J** | 1.72 | **6.72** | 1.98 | **0.332JF** | 1.98 | ND | 1.92 | ND | 16.7 | **0.476J** | 2.03 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 1.78 | ND | 1.78 | ND | 1.85 | ND | 1.72 | ND | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | ND | 2.03 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 1.78 | ND | 1.78 | ND | 1.85 | ND | 1.72 | ND | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | ND | 2.03 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 1.78 | ND | 1.78 | ND | 1.85 | ND | 1.72 | **0.945J** | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | **0.333J** | 2.03 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 1.78 | ND | 1.78 | ND | 1.85 | ND | 1.72 | ND | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | ND | 2.03 |
| Perfluorooctanesulfonamide (FOSA) | ND | 1.78 | ND | 1.78 | ND | 1.85 | ND | 1.72 | ND | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | ND | 2.03 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | **1.16J** | 1.78 | ND | 1.78 | ND | 1.85 | ND | 1.72 | ND | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | ND | 2.03 |
| Perfluorododecanoic Acid (PFDoA) | ND | 1.78 | ND | 1.78 | ND | 1.85 | ND | 1.72 | ND | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | ND | 2.03 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 1.78 | ND | 1.78 | ND | 1.85 | ND | 1.72 | ND | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | ND | 2.03 |
| Perfluorotetradecanoic Acid (PFTA) | ND | 1.78 | ND | 1.78 | ND | 1.85 | ND | 1.72 | ND | 1.98 | ND | 1.98 | ND | 1.92 | ND | 16.7 | ND | 2.03 |
| **Combined PFOA and PFOS** | **50.4** | | **102.3** | | **87.6** | | **87.2** | | **159** | | **114** | | **138** | | **68.5** | | **121** | |
| **Combined Total Detections** | **98.735 J** | | **168.164 J** | | **195.54** | | **197.446** | | **174.33 J** | | **178.892 JF** | | **225.25 J** | | **93.79 JF** | | **198.652 JF** | |

| COMPOUND | MW-A | | MW-B | | MW-C | | GW-Dup | | CW1-S | | CW1-I | | CW1-D | | CW2-S | | CW2-I | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 2/16/2021 | | 2/16/2021 | | 2/16/2021 | | 2/16/2021 | | 2/16/2021 | |
| | ng/L | | ng/L | | ng/L | | ng/L | | µg/L | | µg/L | | µg/L | | µg/L | | µg/L | |
| | Results | RL | Results | RL | Results | RL | Result | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL |
| 1,4-dioxane | ND | 144 | 2340 | 144 | 17000 | 150 | 18500 | 144 | < 0.20 | 0.20 | < 0.20 | 0.20 | **0.21** | 0.20 | **0.73** | 0.20 | < 0.20 | 0.20 |

**Notes:**

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

RL - Reporting Limit

ND- Not Detected

**The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs**

Table 13
480 Flushing Ave
Brooklyn, New York
Groundwater Analytical Results
PFAS

| Compound | EBC 2021 Supplemental RI | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CW2-D | | CW3-S | | CW3-I | | CW3-D | | CW4-S | | CW4-I | | CW4-D | | Duplicate (CW1-D) | | Duplicate (CW4-S) | |
| | 2/16/2021 | | 2/17/2021 | | 2/17/2021 | | 2/17/2021 | | 2/17/2021 | | 2/17/2021 | | 2/17/2021 | | 2/16/2021 | | 2/17/2021 | |
| | ng/L | | ng/L | | ng/L | | ng/L | | ng/L | | ng/L | | ng/L | | ng/L | | ng/L | |
| | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL |
| Perfluorobutanoic Acid (PFBA) | **10.6** | 2.03 | **2.45** | 2.02 | **16.8** | 1.93 | **14.7** | 2 | **11.2** | 1.92 | **13.2** | 2.01 | **12.4** | 2.08 | **11.8** | 1.96 | **11.5** | 1.99 |
| Perfluoropentanoic Acid (PFPeA) | **19.8** | 2.03 | **2.11** | 2.02 | **30.9** | 1.93 | **34.6** | 2 | **20.1** | 1.92 | **24** | 2.01 | **22.2** | 2.08 | **21.3** | 1.96 | **19.9** | 1.99 |
| Perfluorobutanesulfonic Acid (PFBS) | **7.2** | 2.03 | ND | 2.02 | **4.04** | 1.93 | **5.94** | 2 | **2.99** | 1.92 | **3.17** | 2.01 | **7.52** | 2.08 | **8.22** | 1.96 | **2.91** | 1.99 |
| Perfluorohexanoic Acid (PFHxA) | **16** | 2.03 | **2.32** | 2.02 | **24.6** | 1.93 | **25.7** | 2 | **16.4** | 1.92 | **19** | 2.01 | **17.4** | 2.08 | **18.4** | 1.96 | **16.2** | 1.99 |
| Perfluoroheptanoic Acid (PFHpA) | **13.5** | 2.03 | **2.13** | 2.02 | **17.3** | 1.93 | **18.4** | 2 | **23.9** | 1.92 | **14.8** | 2.01 | **11.4** | 2.08 | **16.5** | 1.96 | **24.4** | 1.99 |
| Perfluorohexanesulfonic Acid (PFHxS) | **8.26** | 2.03 | **0.388J** | 2.02 | **3.72** | 1.93 | **7.61** | 2 | **3.14** | 1.92 | **2.86** | 2.01 | **5.88** | 2.08 | **9.5** | 1.96 | **3.59** | 1.99 |
| Perfluorooctanoic Acid (PFOA) | **84.1** | 2.03 | **8.88** | 2.02 | **70.2** | 1.93 | **78** | 2 | **124** | 1.92 | **60.4** | 2.01 | **54.5** | 2.08 | **112** | 1.96 | **124** | 1.99 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | 2.03 | **1.41J** | 2.02 | **2.79** | 1.93 | ND | 2 | **1.52J** | 1.92 | ND | 2.01 | ND | 2.08 | ND | 1.96 | **1.41J** | 1.99 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | 2.03 | ND | 2.02 | ND | 1.93 | ND | 2 | ND | 1.92 | ND | 2.01 | ND | 2.08 | **1.78JF** | 1.96 | ND | 1.99 |
| Perfluorononanoic Acid (PFNA) | **1.63J** | 2.03 | **1.87J** | 2.02 | **1.87J** | 1.93 | **1.45J** | 2 | **2.34** | 1.92 | **1.56J** | 2.01 | **1.44J** | 2.08 | **1.54J** | 1.96 | **2.5** | 1.99 |
| Perfluorooctanesulfonic Acid (PFOS) | **33.4** | 2.03 | **17.8** | 2.02 | **15.7** | 1.93 | **16.9** | 2 | **114** | 1.92 | **68.6** | 2.01 | **19.6** | 2.08 | **31.1** | 1.96 | **112** | 1.99 |
| Perfluorodecanoic Acid (PFDA) | ND | 2.03 | **2.97** | 2.02 | **1.96** | 1.93 | ND | 2 | **3.14** | 1.92 | **2.56** | 2.01 | **0.440J** | 2.08 | ND | 1.96 | **2.63** | 1.99 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 2.03 | ND | 2.02 | ND | 1.93 | ND | 2 | ND | 1.92 | ND | 2.01 | ND | 2.08 | ND | 1.96 | ND | 1.99 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 2.03 | ND | 2.02 | ND | 1.93 | ND | 2 | ND | 1.92 | ND | 2.01 | ND | 2.08 | ND | 1.96 | ND | 1.99 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 2.03 | **0.517J** | 2.02 | **0.919JF** | 1.93 | ND | 2 | **0.755J** | 1.92 | **0.377JF** | 2.01 | ND | 2.08 | ND | 1.96 | **0.759J** | 1.99 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 2.03 | ND | 2.02 | ND | 1.93 | ND | 2 | ND | 1.92 | ND | 2.01 | ND | 2.08 | ND | 1.96 | ND | 1.99 |
| Perfluorooctanesulfonamide (FOSA) | ND | 2.03 | ND | 2.02 | ND | 1.93 | ND | 2 | ND | 1.92 | ND | 2.01 | ND | 2.08 | ND | 1.96 | ND | 1.99 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | 2.03 | ND | 2.02 | ND | 1.93 | ND | 2 | ND | 1.92 | ND | 2.01 | **1.18JF** | 2.08 | ND | 1.96 | ND | 1.99 |
| Perfluorododecanoic Acid (PFDoA) | ND | 2.03 | ND | 2.02 | ND | 1.93 | ND | 2 | ND | 1.92 | ND | 2.01 | ND | 2.08 | ND | 1.96 | ND | 1.99 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 2.03 | ND | 2.02 | ND | 1.93 | ND | 2 | ND | 1.92 | ND | 2.01 | ND | 2.08 | ND | 1.96 | ND | 1.99 |
| Perfluorotetradecanoic Acid (PFTA) | ND | 2.03 | ND | 2.02 | ND | 1.93 | ND | 2 | ND | 1.92 | ND | 2.01 | ND | 2.08 | ND | 1.96 | ND | 1.99 |
| **Combined PFOA and PFOS** | **118** | | **26.7** | | **85.9** | | **94.9** | | **238** | | **129** | | **74.1** | | **143** | | **236** | |
| **Combined Total Detections** | **194.49 J** | | **42.845 J** | | **190.799 JF** | | **203.3 J** | | **323.485 J** | | **210.527 JF** | | **153.96 J** | | **232.14 JF** | | **321.799 J** | |

| COMPOUND | CW2-D | | CW3-S | | CW3-I | | CW3-D | | CW4-S | | CW4-I | | CW4-D | | Duplicate (CW1-D) | | Duplicate (CW4-S) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2/16/2021 | | 2/17/2021 | | 2/17/2021 | | 2/17/2021 | | 2/17/2021 | | 2/17/2021 | | 2/17/2021 | | 2/16/2021 | | 2/17/2021 | |
| | µg/L | | µg/L | | µg/L | | µg/L | | µg/L | | µg/L | | µg/L | | µg/L | | µg/L | |
| | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL |
| 1,4-dioxane | < 0.20 | 0.20 | **0.51** | 0.20 | **3.1** | 0.20 | **0.2** | 0.20 | **3.1** | 0.20 | **5.9** | 0.20 | **0.78** | 0.20 | **4.1** | 0.20 | < 0.20 | 0.20 |

**Notes:**

J=analyte detected at or above the method detection limit (MDL) but below the reportir

RL - Reporting Limit

ND- Not Detected

**The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOs**

Table 14
480 Flushing Ave
Brooklyn, New York
Soil Gas Analytical Results
Volatile Organic Compounds

| COMPOUNDS | NYSDOH Maximum Sub-Slab Value ($\mu g/m^3$) [a] | NYSDOH Soil Outdoor Background Levels ($\mu g/m^3$) [b] | Laurel Environmental Associates, LTD SCR | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | SV-1 | | SV-2 | | SV-3 | |
| | | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| | | | ($\mu g/m3$) | | ($\mu g/m3$) | | ($\mu g/m3$) | |
| | | | Result | RL | Result | RL | Result | RL |
| 1,1,1,2-Tetrachloroethane | | | - | - | - | - | - | - |
| 1,1,1-Trichloroethane | 100 | <2.0 - 2.8 | **731** | 2.73 | **1170** | 10.9 | **354** | 5.46 |
| 1,1,2,2-Tetrachloroethane | | <1.5 | ND | 3.43 | ND | 13.7 | ND | 6.87 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | | | **277** | 3.83 | **3790** | 15.3 | **1290** | 7.66 |
| 1,1,2-Trichloroethane | | <1.0 | ND | 2.73 | ND | 10.9 | ND | 5.46 |
| 1,1-Dichloroethane | | <1.0 | **37.6** | 2.02 | **22.1** | 8.09 | **9.15** | 4.05 |
| 1,1-Dichloroethene | | <1.0 | **24.7** | 1.98 | **98.3** | 7.93 | **19.3** | 3.96 |
| 1,2,4-Trichlorobenzene | | NA | ND | 3.71 | ND | 14.8 | ND | 7.42 |
| 1,2,4-Trimethylbenzene | | <1.0 | **19.4** | 2.46 | **13.5** | 9.83 | **15.3** | 4.92 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | | | ND | 3.84 | ND | 15.4 | ND | 7.69 |
| 1,2-Dibromoethane | | <1.5 | ND | 3.49 | ND | 14 | ND | 6.99 |
| 1,2-Dichlorobenzene | | <2.0 | ND | 3.01 | ND | 12 | ND | 6.01 |
| 1,2-Dichloroethane | | <1.0 | ND | 2.02 | ND | 8.09 | ND | 4.05 |
| 1,2-Dichloropropane | | | ND | 2.31 | ND | 9.24 | ND | 4.62 |
| 1,2-Dichlorotetrafluoroethane | | | - | - | - | - | - | - |
| 1,3,5-Trimethylbenzene | | <1.0 | **4.87** | 2.46 | ND | 9.83 | ND | 4.92 |
| 1,3-Butadiene | | NA | **125** | 1.11 | **45.6** | 4.42 | **130** | 2.21 |
| 1,3-Dichlorobenzene | | <2.0 | **7.7** | 3.01 | ND | 12 | ND | 6.01 |
| 1,4-Dichlorobenzene | | NA | ND | 3.01 | ND | 12 | ND | 6.01 |
| 1,4-Dioxane | | | ND | 1.8 | ND | 7.21 | ND | 3.6 |
| 2,2,4-Trimethylpentane | | | **12.1** | 2.34 | **11.6** | 9.34 | **13.5** | 4.67 |
| 2-Butanone | | | **26.2** | 3.69 | **28.8** | 14.7 | **36.3** | 7.37 |
| 2-Hexanone | | | ND | 2.05 | ND | 8.2 | ND | 4.1 |
| 3-Chloropropene | | | ND | 1.57 | ND | 6.26 | ND | 3.13 |
| 4-Ethyltoluene | | NA | **3.84** | 2.46 | ND | 9.83 | ND | 4.92 |
| 4-Isopropyltoluene | | | - | - | - | - | - | - |
| 4-Methyl-2-pentanone | | | ND | 5.12 | ND | 20.5 | ND | 10.2 |
| Acetone | | NA | **247** | 5.94 | **572** | 23.8 | **803** | 11.9 |
| Acrylonitrile | | | - | - | - | - | - | - |
| Benzene | | <1.6 - 4.7 | **5.4** | 1.6 | **9.14** | 6.39 | **16.3** | 3.19 |
| Benzyl Chloride | | NA | ND | 2.59 | ND | 10.4 | ND | 5.18 |
| Bromodichloromethane | | <5.0 | ND | 3.35 | ND | 13.4 | ND | 6.7 |
| Bromoform | | <1.0 | ND | 5.17 | ND | 20.7 | ND | 10.3 |
| Bromomethane | | <1.0 | ND | 1.94 | ND | 7.77 | ND | 3.88 |
| Carbon Disulfide | | NA | ND | 1.56 | ND | 6.23 | **8.75** | 3.11 |
| Carbon Tetrachloride | 5 | <3.1 | ND | 3.15 | **32.3** | 12.6 | ND | 6.29 |
| Chlorobenzene | | <2.0 | ND | 2.3 | ND | 9.21 | ND | 4.61 |
| Chloroethane | | NA | **1.48** | 1.32 | ND | 5.28 | ND | 2.64 |
| Chloroform | | <2.4 | **4.03** | 2.44 | **35.1** | 9.77 | **70.8** | 4.88 |
| Chloromethane | | <1.0 - 1.4 | **3.49** | 1.03 | ND | 4.13 | **4.71** | 2.07 |
| cis-1,2-Dichloroethene | | <1.0 | **107** | 1.98 | **140** | 7.93 | **245** | 3.96 |
| cis-1,3-Dichloropropene | | NA | ND | 2.27 | ND | 9.08 | ND | 4.54 |
| Cyclohexane | | NA | **4.58** | 1.72 | ND | 6.88 | **6.06** | 3.44 |
| Dibromochloromethane | | <5.0 | ND | 4.26 | ND | 17 | ND | 8.52 |
| Dichlorodifluromethane | | NA | ND | 2.47 | ND | 9.89 | ND | 4.94 |
| Ethanol | | | - | - | - | - | - | - |
| Ethyl Acetate | | NA | ND | 4.5 | ND | 18 | ND | 9.01 |
| Ethyl Alchohol | | | **347** | 23.6 | **307** | 94.2 | **416** | 47.1 |
| Ethylbenzene | | <4.3 | **9.34** | 2.17 | ND | 8.69 | **10.1** | 4.34 |
| Heptane | | NA | **4.43** | 2.05 | **8.73** | 8.2 | **10.4** | 4.1 |
| Hexachlorobutadiene | | NA | ND | 5.33 | ND | 21.3 | ND | 10.7 |
| Hexane | | <1.5 | - | - | - | - | - | - |
| Isopropylalcohol | | NA | **6** | 3.07 | ND | 12.3 | **7.08** | 6.15 |
| Isopropylbenzene | | | - | - | - | - | - | - |
| Xylene (m&p) | | <4.3 | **36.7** | 4.34 | **31.7** | 17.4 | **38.6** | 8.69 |
| Methyl Ethyl Ketone | | | - | - | - | - | - | - |
| MTBE | | NA | ND | 1.8 | ND | 7.21 | ND | 3.61 |
| Methylene Chloride | | <3.4 | **8.09** | 4.34 | **907** | 17.4 | **28.1** | 8.69 |
| n-Butylbenzene | | | - | - | - | - | - | - |
| n-Hexane | | | **17.9** | 1.76 | **24.3** | 7.05 | **37** | 3.52 |
| Xylene (o) | | <4.3 | **13.5** | 2.17 | **11.7** | 8.69 | **13.6** | 4.34 |
| Propylene | | NA | - | - | - | - | - | - |
| sec-Butylbenzene | | | - | - | - | - | - | - |
| Styrene | | <1.0 | ND | 2.13 | ND | 8.52 | ND | 4.26 |
| tert-Butyl Alchohol | | | **11.1** | 3.79 | **19.6** | 15.2 | **16** | 7.58 |
| Tetrachloroethene | 30 | | ND | 3.39 | **40.6** | 13.6 | **32** | 6.78 |
| Tetrahydrofuran | | NA | **17.8** | 3.69 | ND | 14.7 | **22.4** | 7.37 |
| Toluene | | 1.0 - 6.1 | **26.8** | 1.88 | **30.6** | 7.54 | **40.3** | 3.77 |
| trans-1,2-Dichloroethene | | NA | ND | 1.98 | ND | 7.93 | ND | 3.96 |
| trans-1,3-Dichloropropene | | NA | ND | 2.27 | ND | 9.08 | ND | 4.54 |
| Trichloroethene | 2 | <1.7 | **4.85** | 2.69 | **1470** | 10.7 | **343** | 5.37 |
| Trichlorofluoromethane | | NA | **1000** | 2.81 | **191** | 11.2 | **1600** | 5.62 |
| Trichlorotrifluoroethane | | | - | - | - | - | - | - |
| Vinyl bromide | | | ND | 2.19 | ND | 8.74 | ND | 4.37 |
| Vinyl Chloride | | <1.0 | **7.77** | 1.28 | ND | 5.11 | ND | 2.56 |
| **BTEX** | | | **91.74** | | **83.14** | | **118.9** | |
| **Total VOCs** | | | **3160.77** | | **9105.62** | | **5664.09** | |

**Notes:**
NA No guidance value or standard available

(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.
(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

Table 15
480 Flushing Ave
Brooklyn, New York
Parameters Detected Above Track 1 Soil Cleanup Objectives

| COMPOUND | Range in Exceedances | Frequency of Detection | AHE Lim Phase II | | Laurel Environmental Associates, LTD SCR | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SP-2 | SP-3 | SB-1A | SB-1B | SB-2A | SB-2B | SB-3A | SB-4A | SB-4B | SB-5A | SB-5B |
| | | | (6-8') | (6-8') | (1-3') | (12-14') | (4-6') | (13-15') | (1-3') | (5-7') | (13-15') | (2-4') | (12-14') |
| | | | 7/12/2014 | 7/13/2014 | 6/4/2018 | 6/4/2018 | 6/5/2018 | 6/5/2018 | 6/5/2018 | 6/4/2018 | 6/4/2018 | 6/5/2018 | 6/5/2018 |
| *Sample Results in mg/Kg* | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 3 | 1 | - | - | - | - | - | - | - | - | - | **3** | - |
| 1,2-Dichloropropane | 0.150-0.710 | 2 | - | - | **0.15** | - | - | - | - | - | - | - | - |
| Acetone | 0.057 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| cis-1,2-Dichloroethene | 0.260-0.560 | 4 | - | - | - | - | - | - | - | - | - | - | - |
| Tetrachloroethene | 0.200-99.000 | 16 | - | - | **8.5** | - | - | - | **2.5** | - | - | **99** | - |
| Trichloroethene | 0.530-16.000 | 8 | - | - | **3** | - | - | - | **1.2** | - | - | **15** | - |
| *Sample Results in mg/Kg* | | | | | | | | | | | | | |
| 2-Methylphenol (o-cresol) | 0.340-16.000 | 2 | - | - | **0.340J** | - | - | - | - | - | - | **16** | - |
| 3&4-Methylphenol (m&p-cresol) | 1.200-44.000 | 2 | - | - | **1.200J** | - | - | - | - | - | - | **44** | - |
| Acenaphthene | 41.000-84.000 | 2 | - | - | **41** | - | - | - | - | - | - | **84** | - |
| Anthracene | 160 | 1 | - | - | - | - | - | - | - | - | - | **160** | - |
| Benzo(a)anthracene | 1.700-260.000 | 14 | **2.930 J** | **5.57** | **70** | - | - | - | **9.1** | - | - | **260** | - |
| Benzo(a)pyrene | 1.570-230.000 | 14 | **1.570 J** | **3.08** | **53** | - | - | - | **7.3** | - | - | **230** | - |
| Benzo(b)fluoranthene | 1.400-280.000 | 14 | **1.500 J** | **2.84** | **64** | - | - | - | **10** | - | - | **280** | - |
| Benzo(ghi)perylene | 120 | 1 | - | - | - | - | - | - | - | - | - | **120** | - |
| Benzo(k)fluoranthene | 0.940-100.000 | 11 | **1.790 J** | **3.64** | **24** | - | - | - | **2.8** | - | - | **100** | - |
| Chrysene | 1.800-240.000 | 14 | **2.280 J** | **5.75** | **63** | - | - | - | **8.5** | - | - | **240** | - |
| Dibenzo(a,h)anthracene | 0.390-37.000 | 10 | - | **0.693 J** | **7.7** | - | - | - | **1.2** | - | - | **37** | - |
| Fluoranthene | 190.000-720.000 | 2 | - | - | **190** | - | - | - | - | - | - | **720** | - |
| Fluorene | 160 | 1 | - | - | - | - | - | - | - | - | - | **160** | - |
| Indeno(1,2,3-cd)pyrene | 0.720-140.000 | 14 | - | **1.270 J** | **32** | - | - | - | **4.6** | - | - | **140** | - |
| Phenol | 0.620-800.000 | 14 | - | - | **290** | **0.71** | - | - | **2.3** | - | - | **800** | **1.6** |
| *Sample Results in mg/Kg* | | | | | | | | | | | | | |
| 4,4' -DDD | 0.00306-0.018 | 4 | - | - | **0.00306** | **0.00417** | - | - | - | **0.00423** | - | - | - |
| 4,4' -DDE | 0.00086-0.0107 | 2 | - | - | - | - | **0.0107** | - | - | **0.000860J** | - | - | - |
| *Sample Results in mg/Kg* | | | | | | | | | | | | | |
| PCB-1254 | 0.00338-1.82 | 14 | - | - | **0.020.8J** | - | - | - | - | - | **0.00338J** | - | - |
| *Sample Results in mg/Kg* | | | | | | | | | | | | | |
| Barium | 992 | 1 | - | - | - | - | - | - | - | - | - | **992** | - |
| Chromium | 30.5-381 | 2 | - | - | - | - | - | **30.5** | - | - | - | **38.1** | - |
| Chromium, Hexavalent | 3.96 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Copper | 53.5-107 | 4 | - | - | **53.5** | - | - | - | - | - | - | **107** | - |
| Lead | 77-1,040 | 11 | - | - | **127** | - | - | - | **180** | - | - | **1040** | - |
| Mercury | 0.366-2.29 | 13 | - | - | **2.28** | - | - | - | **1.25** | - | - | **2.06** | - |
| Zinc | 123-1,020 | 7 | - | - | - | **123** | - | - | - | - | - | **1020** | - |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 15
480 Flushing Ave
Brooklyn, New York
Parameters Detected Above Track 1 Soil Cleanup Objectives

| COMPOUND | Range in Exceedances | Frequency of Detection | Laurel Environmental Associates, LTD SCR | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SB-6A | SB-6B | SB-7A | SB-8A | SB-8B | SS-1A | SS-1B | SS-2A | SS-2B | SS-3A |
| | | | (4-6') | (13-15') | (4-6') | (8-10') | (13-15') | (0-2') | (2-12') | (0-2') | (2-12') | (0-2') |
| | | | 6/5/2018 | 6/5/2018 | 6/4/2018 | 6/5/2018 | 6/5/2018 | 6/4/2018 | 6/4/2018 | 6/4/2018 | 6/4/2018 | 6/4/2018 |
| *Sample Results in mg/Kg* | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 3 | 1 | - | - | - | - | - | - | - | - | - | - |
| 1,2-Dichloropropane | 0.150-0.710 | 2 | - | - | - | - | - | - | - | - | **0.71** | - |
| Acetone | 0.057 | 1 | - | - | - | **0.057** | - | - | - | - | - | - |
| cis-1,2-Dichloroethene | 0.260-0.560 | 4 | - | - | - | - | **0.41** | - | **0.26** | - | **0.56** | - |
| Tetrachloroethene | 0.200-99.000 | 16 | - | - | - | - | - | - | **5.4** | - | **6.4** | **2.4** |
| Trichloroethene | 0.530-16.000 | 8 | - | - | - | - | - | - | **0.71** | - | **16** | **0.53** |
| *Sample Results in mg/Kg* | | | | | | | | | | | | |
| 2-Methylphenol (o-cresol) | 0.340-16.000 | 2 | - | - | - | - | - | - | - | - | - | - |
| 3&4-Methylphenol (m&p-cresol) | 1.200-44.000 | 2 | - | - | - | - | - | - | - | - | - | - |
| Acenaphthene | 41.000-84.000 | 2 | - | - | - | - | - | - | - | - | - | - |
| Anthracene | 160 | 1 | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | 1.700-260.000 | 14 | - | - | - | - | - | - | **3.9** | **2** | **1.7** | **5.5** |
| Benzo(a)pyrene | 1.570-230.000 | 14 | - | - | - | - | - | - | **4.5** | **1.7** | **1.6** | **4.7** |
| Benzo(b)fluoranthene | 1.400-280.000 | 14 | - | - | - | - | - | **1.4** | **8.5** | - | **2.3** | **6** |
| Benzo(ghi)perylene | 120 | 1 | - | - | - | - | - | - | - | - | - | - |
| Benzo(k)fluoranthene | 0.940-100.000 | 11 | - | - | - | - | - | - | **1.7** | - | - | **1.8** |
| Chrysene | 1.800-240.000 | 14 | - | - | - | - | - | - | **4.3** | **1.9** | **1.9** | **4.7** |
| Dibenzo(a,h)anthracene | 0.390-37.000 | 10 | - | - | - | - | - | - | **1.2** | - | - | **0.77** |
| Fluoranthene | 190.000-720.000 | 2 | - | - | - | - | - | - | - | - | - | - |
| Fluorene | 160 | 1 | - | - | - | - | - | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | 0.720-140.000 | 14 | - | - | - | - | - | **7.2** | **4.5** | **1.1** | **1.1** | **3** |
| Phenol | 0.620-800.000 | 14 | - | - | - | - | - | **0.62** | **1.8** | **2.2** | **4.2** | **8.8** |
| *Sample Results in mg/Kg* | | | | | | | | | | | | |
| 4,4' -DDD | 0.00306-0.018 | 4 | **0.0180J** | - | - | - | - | - | - | - | - | - |
| 4,4' -DDE | 0.00086-0.0107 | 2 | - | - | - | - | - | - | - | - | - | - |
| *Sample Results in mg/Kg* | | | | | | | | | | | | |
| PCB-1254 | 0.00338-1.82 | 14 | **1.82** | **0.0285J** | **0.0151J** | - | **0.0106J** | **0.201** | **0.00630J** | **0.0209J** | **0.00518J** | **0.558** |
| *Sample Results in mg/Kg* | | | | | | | | | | | | |
| Barium | 992 | 1 | - | - | - | - | - | - | - | - | - | - |
| Chromium | 30.5-381 | 2 | - | - | - | - | - | - | - | - | - | - |
| Chromium, Hexavalent | 3.96 | 1 | - | - | - | - | - | - | - | - | - | - |
| Copper | 53.5-107 | 4 | - | - | - | - | - | **93.1** | - | - | - | - |
| Lead | 77-1,040 | 11 | - | - | - | - | - | **564** | **77** | - | - | **260** |
| Mercury | 0.366-2.29 | 13 | - | - | - | - | - | **2.29** | **0.604** | **0.366** | **1.1** | **1.14** |
| Zinc | 123-1,020 | 7 | - | - | - | - | - | - | - | - | - | **158** |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estim

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 15
480 Flushing Ave
Brooklyn, New York
Parameters Detected Above Track 1 Soil Cleanup Objectives

| COMPOUND | Range in Exceedances | Frequency of Detection | Laurel Environmental Associates, LTD SCR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SS-3B | SS-4A | SS-4B | Dup-1 | Dup-2 | SB20-01 | | | SB20-02 | | Soil Duplicate |
| | | | (2-12') | (0-2') | (2-12') | | | (20-25) | (25-30) | (30-35) | (20-25) | (30-35) | SB2001 (30-35') |
| | | | 6/4/2018 | 6/4/2018 | 6/4/2018 | 6/4/2018 | 6/4/2018 | 1/25/2021 | 1/25/20201 | 1/25/2021 | 1/25/20201 | 1/25/20201 | 1/25/2021 |
| *Sample Results in mg/Kg* | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| 1,2-Dichloropropane | 0.150-0.710 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Acetone | 0.057 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| cis-1,2-Dichloroethene | 0.260-0.560 | 4 | - | - | - | - | **0.34** | - | - | - | - | - | - |
| Tetrachloroethene | 0.200-99.000 | 16 | **2.8** | **1.1** | - | **0.85** | **7.4** | **0.59** | **0.39** | **0.64** | **0.2** | **0.24** | **0.69** |
| Trichloroethene | 0.530-16.000 | 8 | **1.3** | - | - | - | **4.7** | - | - | - | - | - | - |
| *Sample Results in mg/Kg* | | | | | | | | | | | | | |
| 2-Methylphenol (o-cresol) | 0.340-16.000 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| 3&4-Methylphenol (m&p-cresol) | 1.200-44.000 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Acenaphthene | 41.000-84.000 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | 160 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | 1.700-260.000 | 14 | **2.8** | **1.8** | **3.4** | **2.7** | **4.6** | - | - | - | - | - | - |
| Benzo(a)pyrene | 1.570-230.000 | 14 | **2.4** | **1.6** | **3.1** | **2.7** | **4** | - | - | - | - | - | - |
| Benzo(b)fluoranthene | 1.400-280.000 | 14 | **3.1** | **2** | **4.2** | **4.8** | **5.4** | - | - | - | - | - | - |
| Benzo(ghi)perylene | 120 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(k)fluoranthene | 0.940-100.000 | 11 | **0.94** | - | **1.1** | **1.5** | **1.6** | - | - | - | - | - | - |
| Chrysene | 1.800-240.000 | 14 | **2.6** | **1.8** | **3.7** | **2.7** | **4.4** | - | - | - | - | - | - |
| Dibenzo(a,h)anthracene | 0.390-37.000 | 10 | **0.39** | - | **0.56** | **0.68** | **0.67** | - | - | - | - | - | - |
| Fluoranthene | 190.000-720.000 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Fluorene | 160 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | 0.720-140.000 | 14 | **1.6** | **1.2** | **2.1** | **2.6** | **2.7** | - | - | - | - | - | - |
| Phenol | 0.620-800.000 | 14 | **5.3** | **3.1** | **5.4** | **1.6** | **13** | - | - | - | - | - | - |
| *Sample Results in mg/Kg* | | | | | | | | | | | | | |
| 4,4' -DDD | 0.00306-0.018 | 4 | - | - | - | - | - | - | - | - | - | - | - |
| 4,4' -DDE | 0.00086-0.0107 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| *Sample Results in mg/Kg* | | | | | | | | | | | | | |
| PCB-1254 | 0.00338-1.82 | 14 | **0.264** | **1.24** | **1.4** | - | - | - | - | - | - | - | - |
| *Sample Results in mg/Kg* | | | | | | | | | | | | | |
| Barium | 992 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Chromium | 30.5-381 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Chromium, Hexavalent | 3.96 | 1 | - | - | **3.96** | - | - | - | - | - | - | - | - |
| Copper | 53.5-107 | 4 | - | **69.3** | - | - | - | - | - | - | - | - | - |
| Lead | 77-1,040 | 11 | **120** | **602** | **443** | **128** | **154** | - | - | - | - | - | - |
| Mercury | 0.366-2.29 | 13 | **0.609** | **2.15** | **2.23** | **0.717** | **1.35** | - | - | - | - | - | - |
| Zinc | 123-1,020 | 7 | **155** | **337** | **236** | - | **154** | - | - | - | - | - | - |

**Notes:**

J - analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estim

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC Commercial Guidance Value**

Table 16
480 Flushing Ave
Brooklyn, New York
Parameters Detected Above Ambient Groundwater Quality Standards

| Compound | Range in Exceedances | Frequency of Detection | AHE. Lim. Phase II | | LEA, LTD SCR | | | | EBC 2021 Supplemental RI | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TW-1 | TW-2 | MW-A | MW-B | MW-C | GW- Dup | CW1-S | CW1-I | CW1-D | CW2-S | CW2-I |
| | | | 7/11/2014 | 7/11/2014 | 6/5/2018 | 6/5/2018 | 6/5/2018 | 6/5/2018 | 2/16/2021 | 2/16/2021 | 2/16/2021 | 2/16/2021 | 2/16/2021 |
| *Sample Results in µg/L* | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 5.9-450 | 12 | - | - | - | **110** | **450** | **390** | - | - | **5.9** | - | - |
| 1,1-Dichloroethane | 16-73 | 4 | - | - | - | **18** | - | - | - | - | - | - | - |
| 1,1-Dichloroethene | 7.2-41 | 6 | - | - | - | **7.2** | **41** | **38** | - | - | - | - | - |
| Chloroform | 17-30 | 2 | **17** | - | - | - | - | - | - | - | - | **30** | - |
| cis-1,2-Dichloroethene | 5.6-340 | 17 | - | **20** | **120** | **340** | **280** | **310** | **5.6** | **170** | **34** | - | **190** |
| Ethylbenzene | 6.3 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | 130 | 1 | - | - | - | - | - | - | - | - | - | **130** | - |
| o-Xylene | 6.7 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Tetrachloroethene | 15-7,300 | 20 | **32** | **65** | **67** | **610** | **2400** | **3100** | **74** | **100** | **34** | **76** | **220** |
| Trichloroethene | 8.1-380 | 20 | **8.1** | **17** | **27** | **160** | **350** | **380** | **27** | **30** | **11** | **11** | **36** |
| Vinyl Chloride | 2.3-200 | 4 | - | - | - | **2.3J** | - | | - | - | - | - | - |
| *Sample Results in µg/L* | | | | | | | | | | | | | |
| 2,4,5-Trichlorophenol | 17,000 | 1 | - | - | - | - | **17000** | - | - | - | - | - | - |
| Benzo(a)anthracene | 0.02-0.03 | 3 | - | - | **0.02J** | - | **0.02J** | **0.03J** | - | - | - | - | - |
| Benzo(b)fluoranthene | 0.02-0.06 | 3 | - | - | **0.02J** | - | **0.02J** | **0.06J** | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | 0.05 | 1 | - | - | - | - | - | **0.05J** | - | - | - | - | - |
| *Sample Results in mg/L* | | | | | | | | | | | | | |
| Antimony | 0.00332 | 1 | - | - | - | **0.00332J** | - | - | - | - | - | - | - |
| Barium | 1.02-1.55 | 2 | **1.02** | **1.55** | - | - | - | - | - | - | - | - | - |
| Chromium | 0.05 | 1 | - | **0.05** | - | - | - | - | - | - | - | - | - |
| Iron | 0.712-8.84 | 4 | - | - | **8.84** | **1.26** | **0.712** | **1.97** | - | - | - | - | - |
| Lead | 0.037 | 1 | **0.037** | - | - | - | - | - | - | - | - | - | - |
| Manganese | 0.8666-6.621 | 4 | - | - | **4.741** | **6.621** | **1.302** | **0.8666** | - | - | - | - | - |
| Nickel | 0.01211-0.01847 | 2 | - | - | **0.01211** | **0.01847** | - | - | - | - | - | - | - |
| Selenium | 0.017 | 1 | - | **0.017** | - | - | - | - | - | - | - | - | - |
| Sodium | 28.7-66.1 | 4 | - | - | **66.1** | **28.7** | **39.1** | **39.3** | - | - | - | - | - |
| *Sample Results in mg/L* | | | | | | | | | | | | | |
| Antimony (Dissolved) | 0.00375 | 1 | - | - | - | **0.00375J** | - | - | - | - | - | - | - |
| Manganese (Dissolved) | 0.7506-7.088 | 4 | - | - | **4.71** | **7.088** | **0.9082** | **0.7506** | - | - | - | - | - |
| Sodium (Dissolved) | 33.3-68.7 | 4 | - | - | **68.7** | **33.3** | **37.2** | **39.7** | - | - | - | - | - |

**Notes:**

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) - data is estimated

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

Table 16
480 Flushing Ave
Brooklyn, New York
Parameters Detected Above Ambient Groundwater Quality Standards

| Compound | Range in Exceedances | Frequency of Detection | EBC 2021 Supplemental RI | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CW2-D | CW3-S | CW3-I | CW3-D | CW4-S | CW4-I | CW4-D | Duplicate (CW1-D) | Duplicate (CW4-S) |
| | | | 2/16/2021 | 2/17/2021 | 2/17/2021 | 2/17/2021 | 2/17/2021 | 2/17/2021 | 2/17/2021 | 2/16/2021 | 2/17/2021 |
| *Sample Results in µg/L* | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 5.9-450 | 12 | **21** | **27** | **290** | - | **280** | **29** | **96** | **270** | **6.1** |
| 1,1-Dichloroethane | 16-73 | 4 | - | - | - | - | **71** | **16** | - | **73** | - |
| 1,1-Dichloroethene | 7.2-41 | 6 | - | - | **18** | - | - | **14** | **7.6** | - | - |
| Chloroform | 17-30 | 2 | - | - | - | - | - | - | - | - | - |
| cis-1,2-Dichloroethene | 5.6-340 | 17 | **110** | **51** | **25** | - | **28** | **260** | **21** | **27** | **35** |
| Ethylbenzene | 6.3 | 1 | - | **6.3** | - | - | - | - | - | - | - |
| Naphthalene | 130 | 1 | - | - | - | - | - | - | - | - | - |
| o-Xylene | 6.7 | 1 | - | **6.7** | - | - | - | - | - | - | - |
| Tetrachloroethene | 15-7,300 | 20 | **140** | **92** | **7,300** | **200** | **18** | **28** | **1,400** | **15** | **33** |
| Trichloroethene | 8.1-380 | 20 | **27** | **24** | **45** | **24** | **23** | **57** | **63** | **24** | **10** |
| Vinyl Chloride | 2.3-200 | 4 | - | - | - | - | **22** | **200** | - | **25** | - |
| *Sample Results in µg/L* | | | | | | | | | | | |
| 2,4,5-Trichlorophenol | 17,000 | 1 | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | 0.02-0.03 | 3 | - | - | - | - | - | - | - | - | - |
| Benzo(b)fluoranthene | 0.02-0.06 | 3 | - | - | - | - | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | 0.05 | 1 | - | - | - | - | - | - | - | - | - |
| *Sample Results in mg/L* | | | | | | | | | | | |
| Antimony | 0.00332 | 1 | - | - | - | - | - | - | - | - | - |
| Barium | 1.02-1.55 | 2 | - | - | - | - | - | - | - | - | - |
| Chromium | 0.05 | 1 | - | - | - | - | - | - | - | - | - |
| Iron | 0.712-8.84 | 4 | - | - | - | - | - | - | - | - | - |
| Lead | 0.037 | 1 | - | - | - | - | - | - | - | - | - |
| Manganese | 0.8666-6.621 | 4 | - | - | - | - | - | - | - | - | - |
| Nickel | 0.01211-0.01847 | 2 | - | - | - | - | - | - | - | - | - |
| Selenium | 0.017 | 1 | - | - | - | - | - | - | - | - | - |
| Sodium | 28.7-66.1 | 4 | - | - | - | - | - | - | - | - | - |
| *Sample Results in mg/L* | | | | | | | | | | | |
| Antimony (Dissolved) | 0.00375 | 1 | - | - | - | - | - | - | - | - | - |
| Manganese (Dissolved) | 0.7506-7.088 | 4 | - | - | - | - | - | - | - | - | - |
| Sodium (Dissolved) | 33.3-68.7 | 4 | - | - | - | - | - | - | - | - | - |

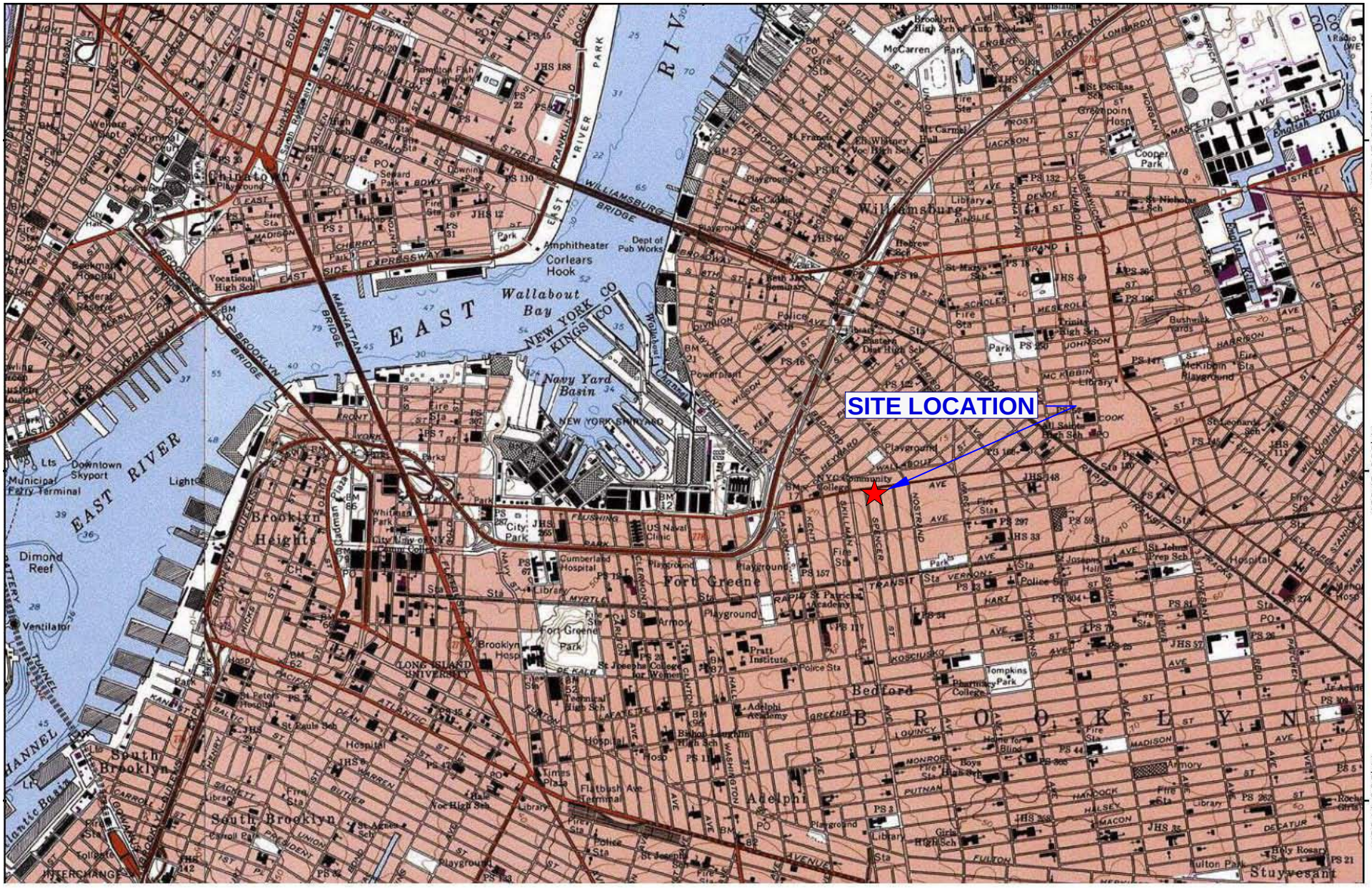
**Notes:**

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

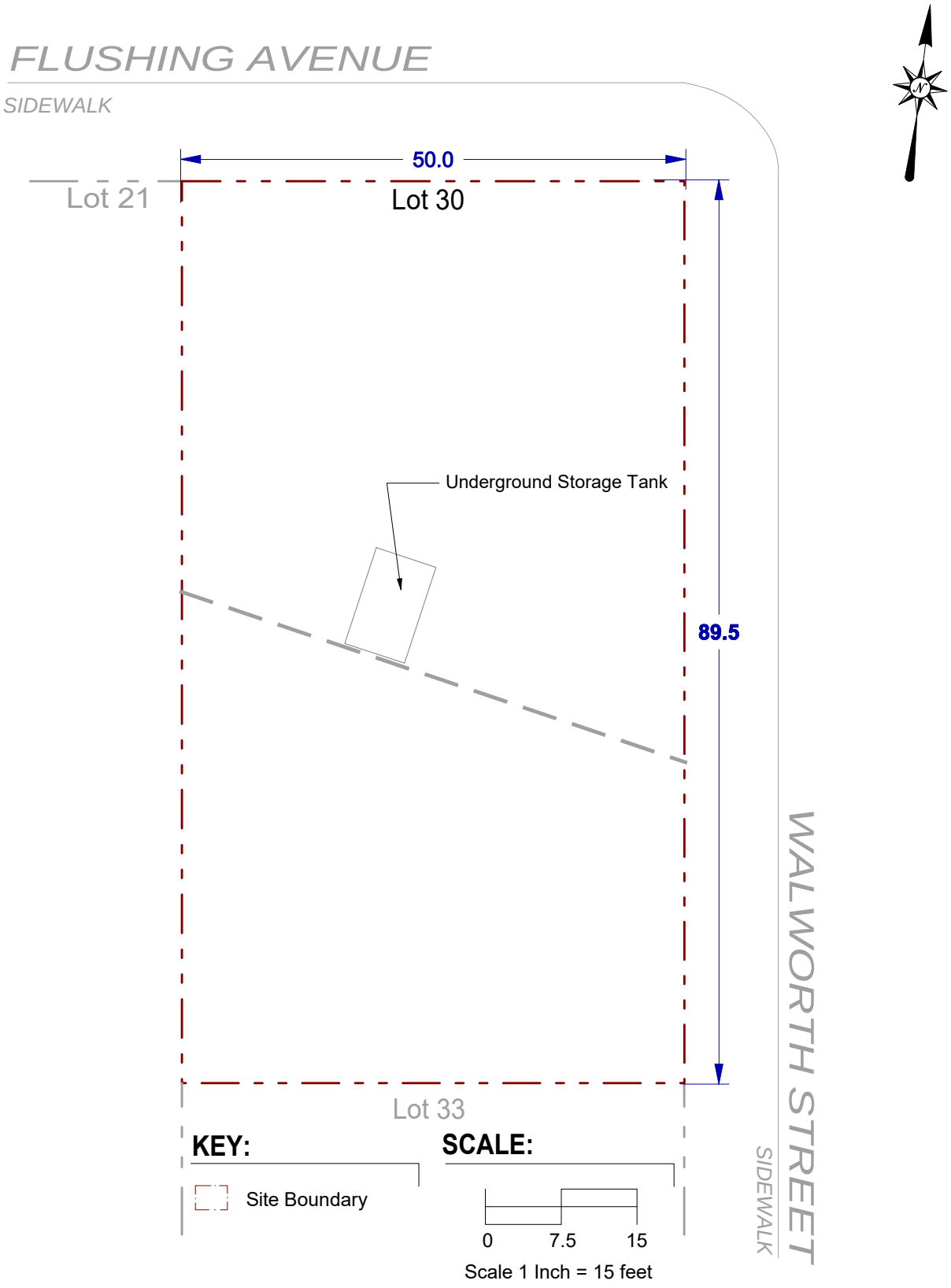
# ***FIGURES***




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Fax 631. 924 .2870

Figure No. 1

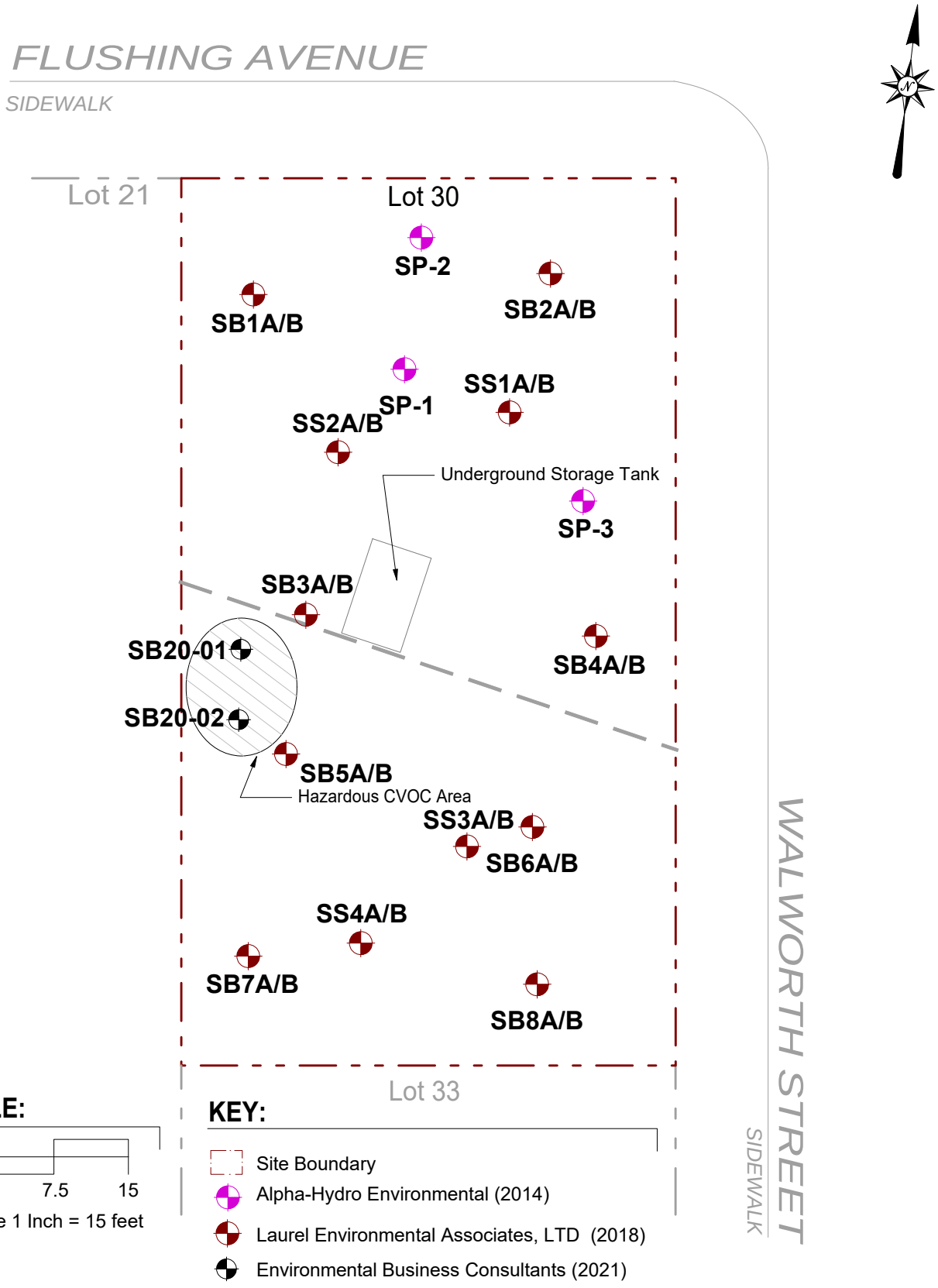
Site Name: 480 FLUSHING
Site Address: 480 FLUSHING AVENUE, BROOKLYN, NY
Drawing Title: SITE LOCATION MAP




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Figure No. 2

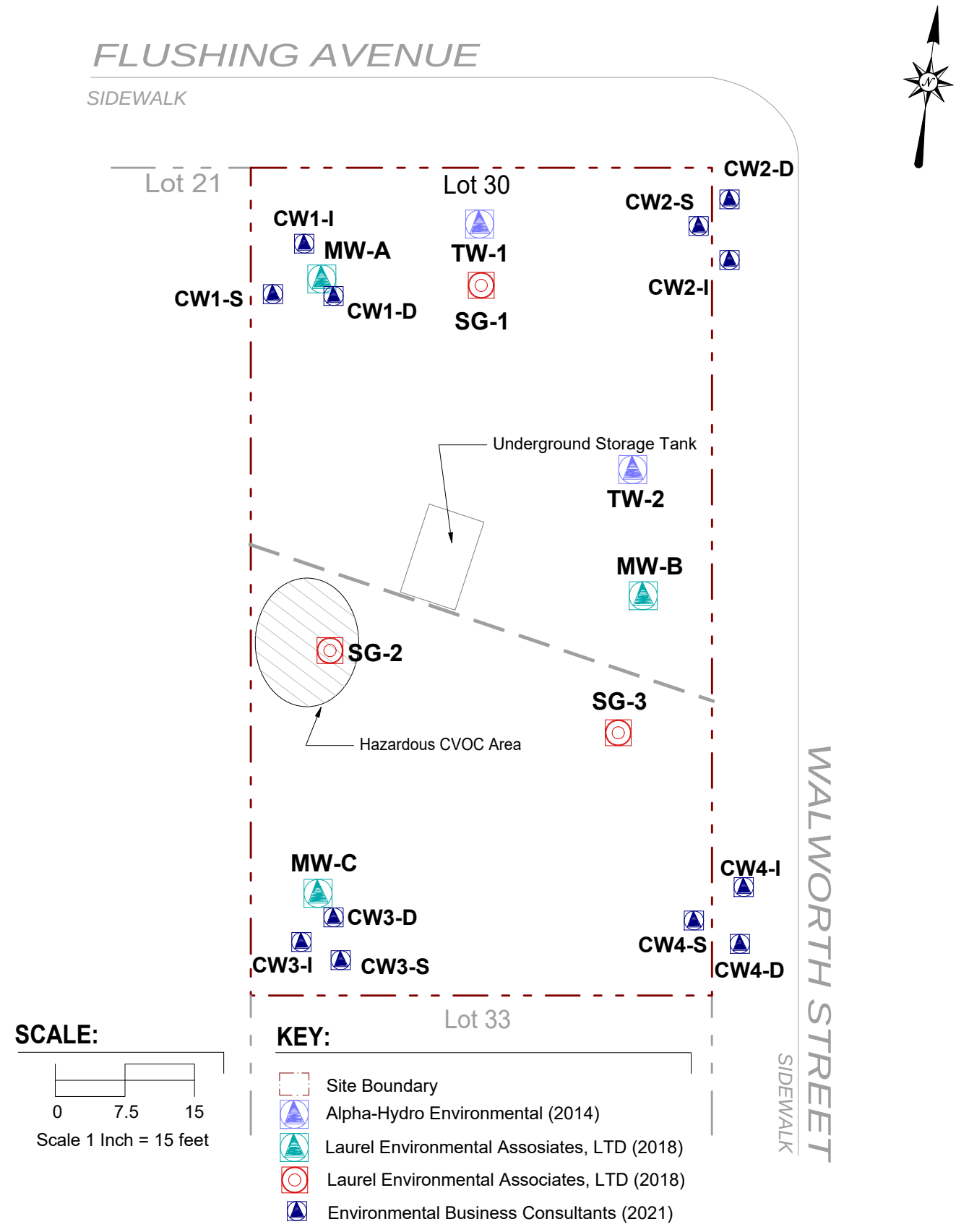
Site Name: 480 FLUSHING
Site Address: 480 FLUSHING AVENUE, BROOKLYN, NY
Drawing Title: SITE PLAN




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Figure No. 3

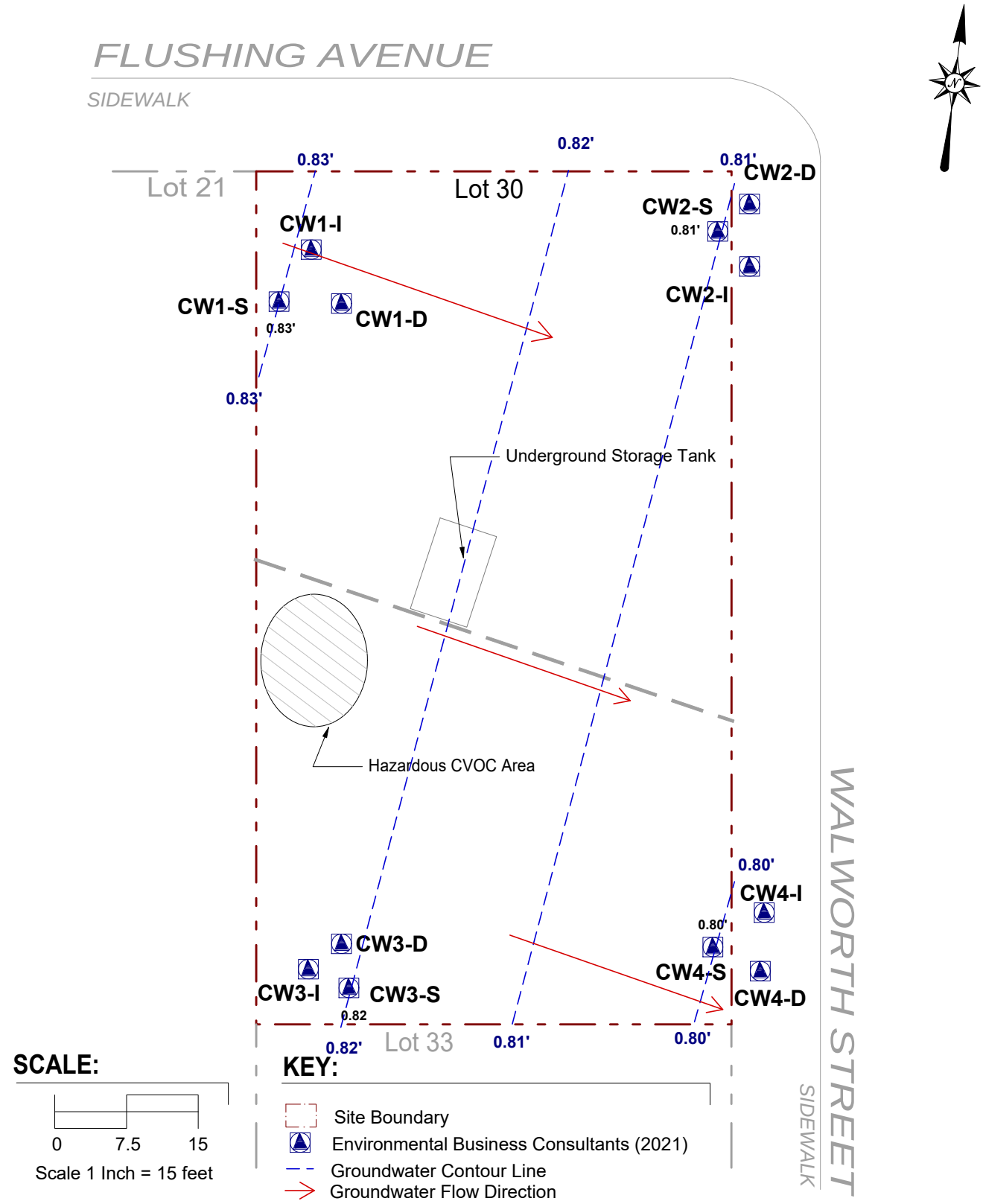
Site Name: 480 FLUSHING
Site Address: 480 FLUSHING AVENUE, BROOKLYN, NY
Drawing Title: SOIL BORING LOCATION MAP




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Figure No. 4

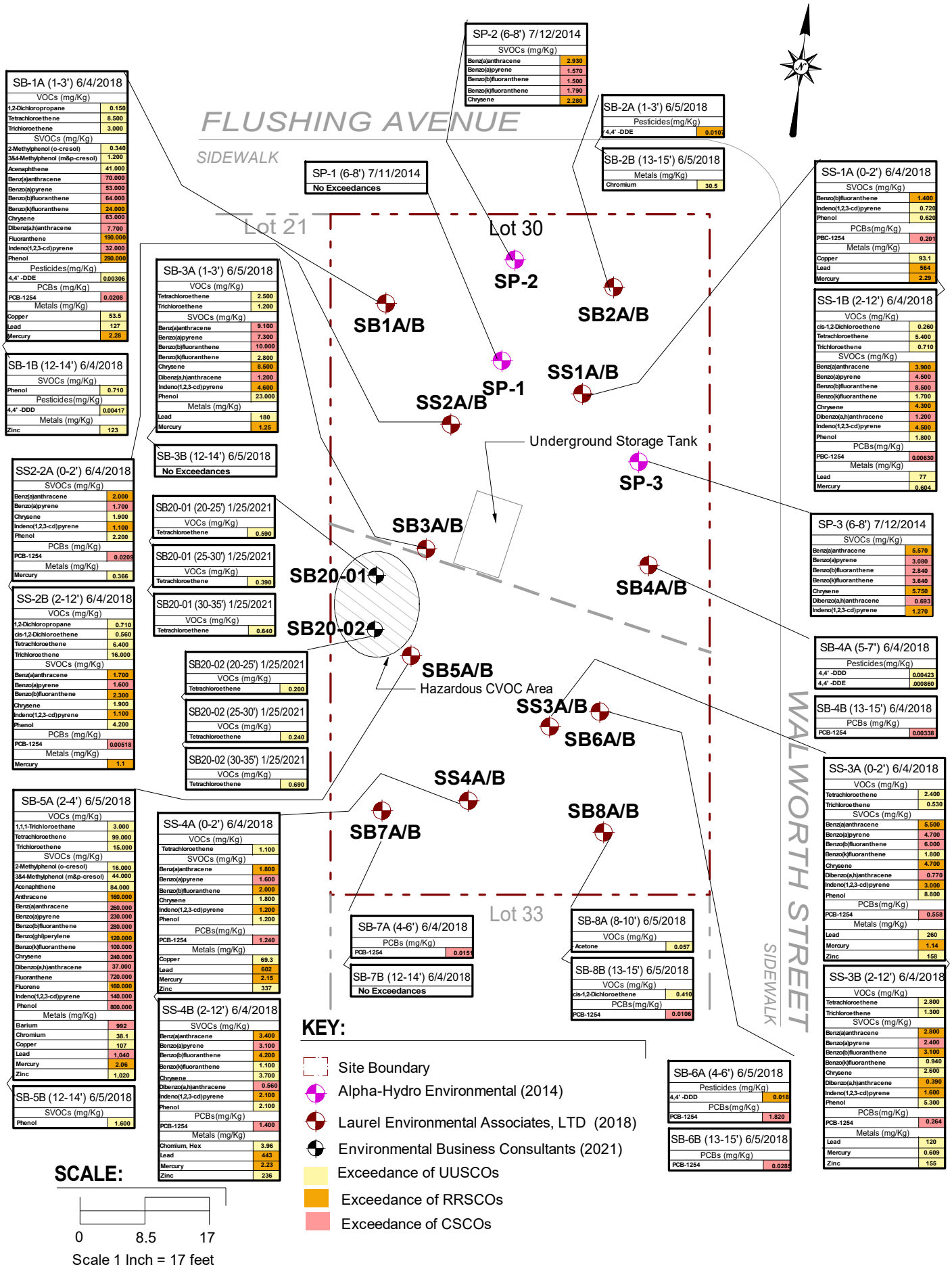
Site Name: 480 FLUSHING
Site Address: 480 FLUSHING AVENUE, BROOKLYN, NY
Drawing Title: GROUNDWATER AND SOIL GAS SAMPLE LOCATION MAP




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Figure No. 5

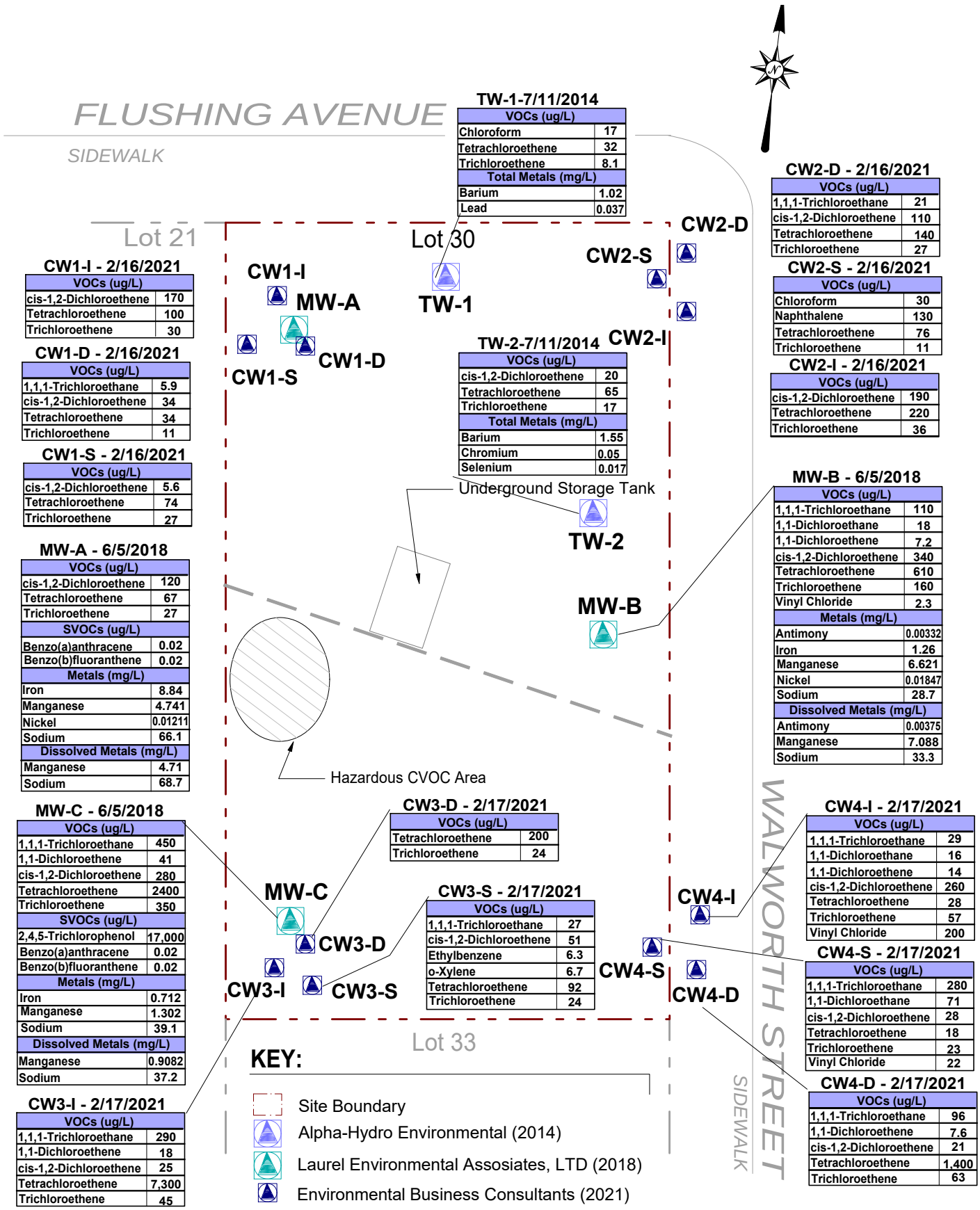
Site Name: 480 FLUSHING
Site Address: 480 FLUSHING AVENUE, BROOKLYN, NY
Drawing Title: GROUNDWATER CONTOUR MAP 4/12/2021




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Figure No. 6

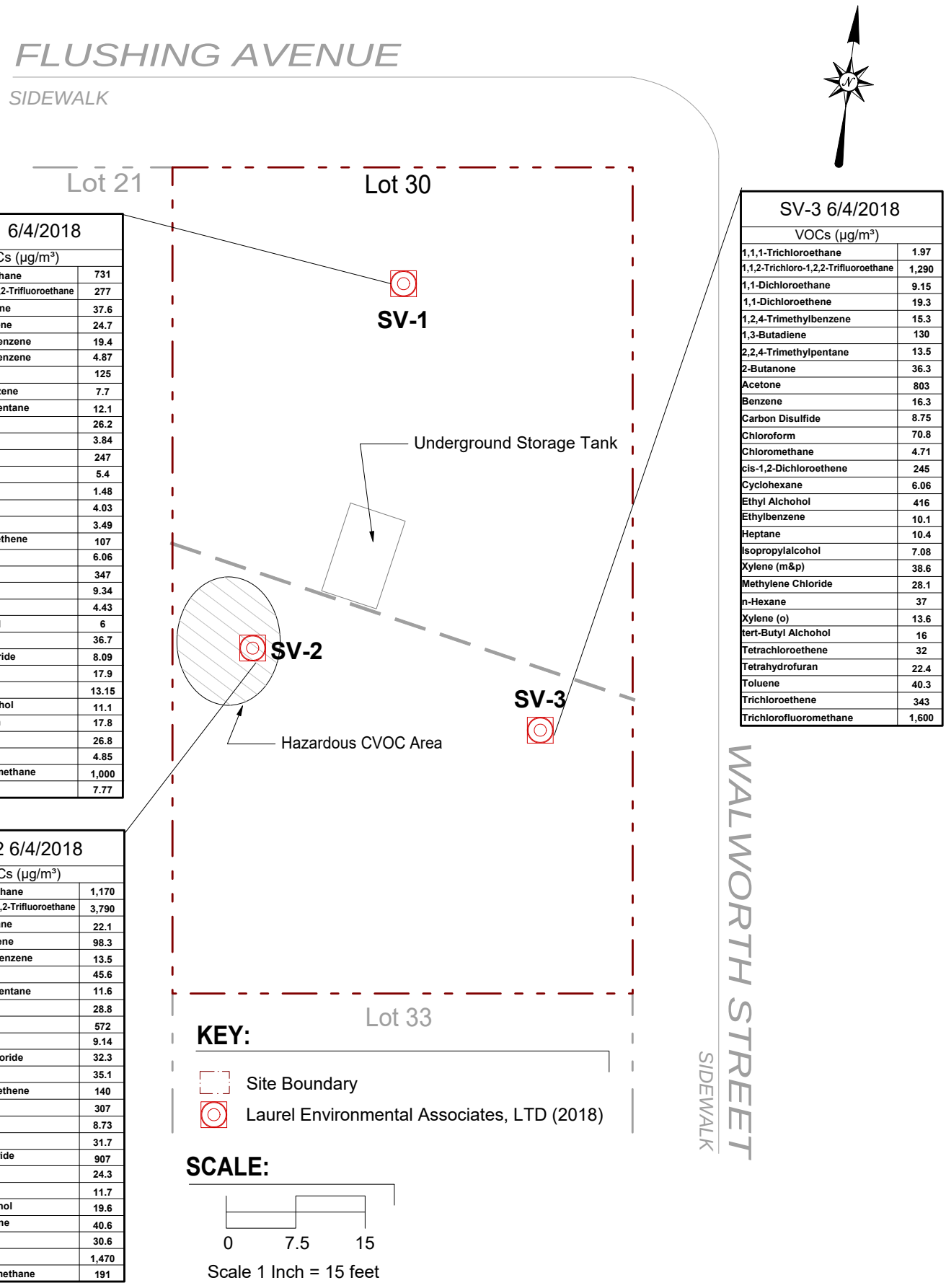
Site Name: 480 FLUSHING
Site Address: 480 FLUSHING AVENUE, BROOKLYN, NY
Drawing Title: POSTED SOIL EXCEEDANCES ABOVE UUSCOS




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Figure No. 7

Site Name: 480 Flushing
Site Address: 480 Flushing Avenue, Brooklyn, NY
Drawing Title: Posted Groundwater Exceedances Above AGQS




| SV-1 6/4/2018 | |
|---|---|
| VOCs (µg/m³) | |
| 1,1,1-Trichloroethane | 731 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 277 |
| 1,1-Dichloroethane | 37.6 |
| 1,1-Dichloroethene | 24.7 |
| 1,2,4-Trimethylbenzene | 19.4 |
| 1,3,5-Trimethylbenzene | 4.87 |
| 1,3-Butadiene | 125 |
| 1,3-Dichlorobenzene | 7.7 |
| 2,2,4-Trimethylpentane | 12.1 |
| 2-Butanone | 26.2 |
| 4-Ethyltoluene | 3.84 |
| Acetone | 247 |
| Benzene | 5.4 |
| Chloroethane | 1.48 |
| Chloroform | 4.03 |
| Chloromethane | 3.49 |
| cis-1,2-Dichloroethene | 107 |
| Cyclohexane | 6.06 |
| Ethyl Alchohol | 347 |
| Ethylbenzene | 9.34 |
| Heptane | 4.43 |
| Isopropylalcohol | 6 |
| Xylene (m&p) | 36.7 |
| Methylene Chloride | 8.09 |
| n-Hexane | 17.9 |
| Xylene (o) | 13.15 |
| tert-Butyl Alchohol | 11.1 |
| Tetrahydrofuran | 17.8 |
| Toluene | 26.8 |
| Trichloroethene | 4.85 |
| Trichlorofluoromethane | 1,000 |
| Vinyl Chloride | 7.77 |

| SV-2 6/4/2018 | |
|---|---|
| VOCs (µg/m³) | |
| 1,1,1-Trichloroethane | 1,170 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 3,790 |
| 1,1-Dichloroethane | 22.1 |
| 1,1-Dichloroethene | 98.3 |
| 1,2,4-Trimethylbenzene | 13.5 |
| 1,3-Butadiene | 45.6 |
| 2,2,4-Trimethylpentane | 11.6 |
| 2-Butanone | 28.8 |
| Acetone | 572 |
| Benzene | 9.14 |
| Carbon Tetrachloride | 32.3 |
| Chloroform | 35.1 |
| cis-1,2-Dichloroethene | 140 |
| Ethyl Alchohol | 307 |
| Heptane | 8.73 |
| Xylene (m&p) | 31.7 |
| Methylene Chloride | 907 |
| n-Hexane | 24.3 |
| Xylene (o) | 11.7 |
| tert-Butyl Alchohol | 19.6 |
| Tetrachloroethene | 40.6 |
| Toluene | 30.6 |
| Trichloroethene | 1,470 |
| Trichlorofluoromethane | 191 |

| SV-3 6/4/2018 | |
|---|---|
| VOCs (µg/m³) | |
| 1,1,1-Trichloroethane | 1.97 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 1,290 |
| 1,1-Dichloroethane | 9.15 |
| 1,1-Dichloroethene | 19.3 |
| 1,2,4-Trimethylbenzene | 15.3 |
| 1,3-Butadiene | 130 |
| 2,2,4-Trimethylpentane | 13.5 |
| 2-Butanone | 36.3 |
| Acetone | 803 |
| Benzene | 16.3 |
| Carbon Disulfide | 8.75 |
| Chloroform | 70.8 |
| Chloromethane | 4.71 |
| cis-1,2-Dichloroethene | 245 |
| Cyclohexane | 6.06 |
| Ethyl Alchohol | 416 |
| Ethylbenzene | 10.1 |
| Heptane | 10.4 |
| Isopropylalcohol | 7.08 |
| Xylene (m&p) | 38.6 |
| Methylene Chloride | 28.1 |
| n-Hexane | 37 |
| Xylene (o) | 13.6 |
| tert-Butyl Alchohol | 16 |
| Tetrachloroethene | 32 |
| Tetrahydrofuran | 22.4 |
| Toluene | 40.3 |
| Trichloroethene | 343 |
| Trichlorofluoromethane | 1,600 |

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Figure No. 8

Site Name: 480 FLUSHING
Site Address: 480 FLUSHING AVENUE, BROOKLYN, NY
Drawing Title: SOIL VAPOR DETECTION MAP

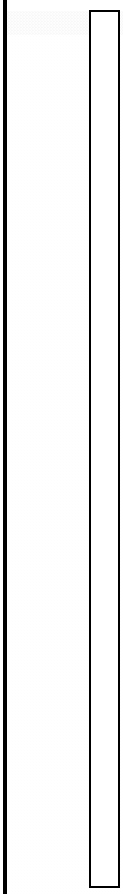
# ***APPENDIX – A***
## *Soil Boring Logs*

# Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

## SB20-01

| | | | | |
|---|---|---|---|---|
| Location: 38' from the building on Lot 33 and 8ft from Lot 21 | | | Depth to Water (ft. from grade.) | Site Elevation Datum |
| Site Name: | Address: 480 Flushing Avenue, Brooklyn | | Date / DTW: 15' below surface grade | Ground Elevation |
| Drilling Company: AARCO Env. Services Corp. | Method: Geoprobe 8140LC | | N/A | Well Specifications |
| Date Started: 1/25/2020 | Date Completed: 1/25/2020 | | | |
| Completion Depth: | Geologist: Tony Balado | | | |

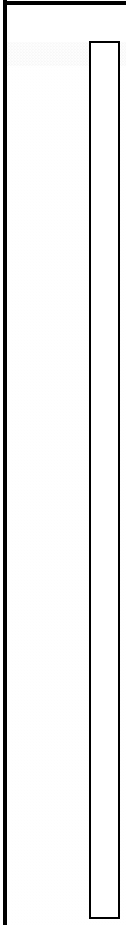
| CW1 (NTS) | DEPTH (ft below grade) | SAMPLES Recovery (in.) | Blow per 6 in. | PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
|  | 0 to 5 | 48 | | 0.0 | 33" - Dark brown and black dry sandy fill with wood and brick<br>15" - Dry brown silty sand |
| | 5 to 10 | 52 | | 0.0 | 25" - Damp grayish brown silty clay<br>27" - Damp brown silt |
| | 10 to 15 | 48 | | 2.4 | 10" - Damp brown silty sand<br>38" - Dry brown medium to coarse sand |
| | 15 to 20 | 25 | | 0.0 | 25" - Gravel, cobbles, and boulder core |
| | 20 to 25 | 25 | | 0.0 | 25" - Saturated coarse brown sand with gravel and cobbles<br>**Retained soil sample SB20-01(20-25) + MS/MSD* |
| | 25 to 30 | 30 | | 0.0 | 30" - Saturated brown coarse sand with cobbles and gravel<br>**Retained soil sample SB20-01(25-30)* |
| | 30 to 35 | 35 | | 0.0 | 35" - Saturated brown coarse sand with cobbles and gravel<br>**Retained soil sample SB20-01(30-35)+Soil Duplicate* |
| | 35 to 40 | | | 0.0 | |

# Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

**SB20-01**

| | | | | |
|---|---|---|---|---|
| Location: 33' from the building on Lot 33 and 8' from Lot 21 | | | Depth to Water (ft. from grade.) | Site Elevation Datum |
| Site Name: | Address: 480 Flushing Avenue, Brooklyn | | Date / DTW: 15' below surface grade | Ground Elevation |
| Drilling Company: AARCO Env. Services Corp. | Method: Geoprobe 8140LC | | N/A | Well Specifications |
| Date Started: 1/25/2020 | Date Completed: 1/25/2020 | | | |
| Completion Depth: | Geologist: Tony Balado | | | |

| CW1 (NTS) | DEPTH (ft below grade) | SAMPLES Recovery (in.) | Blow per 6 in. | PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
|  | 0 to 5 | 35 | | 0.0 | 5" - Concrete<br>30" - Moist brown silty sand |
| | 5 to 10 | 43 | | 0.0 | 10" - Black and brown silty sand<br>33" - Moist brown sandy silt |
| | 10 to 15 | 37 | | 0.0 | 37" - Damp grayish brown sandy silt with rock fragments |
| | 15 to 20 | 31 | | 0.0 | 31" - Saturated brown coarse sand with gravel |
| | 20 to 25 | 35 | | 0.0 | 35" - Saturated brown coarse sand with gravel<br>**Retained soil sample SB20-02(20-25)* |
| | 25 to 30 | 50 | | 0.0 | 30" - Saturated brown coarse sand with cobbles and gravel<br>**Retained soil sample SB20-02(25-30)* |
| | 30 to 35 | 48 | | 0.0 | 48" - Saturated brown coarse sand with cobbles and gravel<br>*Retained soil sample SB20-02(30-35) |
| | 35 to 40 | | | 0.0 | |

# Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

## CW1

| | | | | |
|---|---|---|---|---|
| Location: 8' from the North property boundary and 7' from Lot 21 | | | Depth to Water (ft. from grade.) | Site Elevation Datum |
| Site Name: | Address: 480 Flushing Avenue, Brooklyn | | Date / DTW: 15' below surface grade | Ground Elevation |
| Drilling Company: AARCO Env. Services Corp. | Method: Geoprobe 8140LC | | N/A | Well Specifications |
| Date Started: 1/25/2020 | Date Completed: 1/25/2020 | | | |
| Completion Depth: | Geologist: Tony Balado | | | |

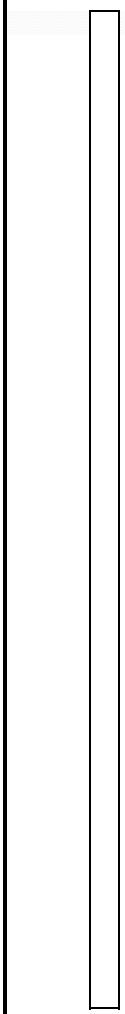
| CW1 (NTS) | DEPTH (ft below grade) | SAMPLES: Recovery (in.) | SAMPLES: Blow per 6 in. | SAMPLES: PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
| | 0 to 5 | 36 | | 0.0 | 14" - Dry brown medium to fine sand with brick and glass fragments<br>14" - Dry dark brown and black medium to fine sand. No odor, No PID.<br>8" - Dry dark brown medium to fine sand |
| | 5 to 10 | 48 | | 0.0 | 18" - Dark brown and black fine sand<br>27" - Moist brown silty sand<br>3" - Moist brown silty sand with rock fragments |
| | 10 to 15 | 35 | | 0.0 | 35" - Dry medium brown sand with rock fragments |
| | 15 to 20 | 43 | | 0.0 | 20" - Saturated brown cobbles and sand<br>13" - Saturated pinkish-purple cobbles and sand<br>10" - Saturated brown stone and sand |
| | 20 to 25 | 50 | | 0.0 | 50" - Saturated coarse brown sand and cobbles |
| | 25 to 30 | 50 | | 0.0 | 50" - Saturated coarse brown sand and cobbles |
| | 30 to 35 | 55 | | 0.0 | 50" - Saturated coarse brown sand and cobbles |
| | 35 to 40 | 55 | | 0.0 | 50" - Saturated coarse brown sand and cobbles |

# Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

**CW2**

| | | | | |
|---|---|---|---|---|
| Location: 7' from south property boundary and 2' to the east off the site | | | Depth to Water (ft. from grade.) | Site Elevation Datum |
| Site Name: | Address: 480 Flushing Avenue, Brooklyn | | Date / DTW: 15' below surface grade | Ground Elevation |
| Drilling Company: AARCO Env. Services Corp. | Method: Geoprobe 8140LC | | N/A | Well Specifications |
| Date Started: 1/26/2020 | Date Completed: 1/26/2020 | | | |
| Completion Depth: | Geologist: Tony Balado | | | |

| CW2 (NTS) | DEPTH (ft below grade) | SAMPLES Recovery (in.) | Blow per 6 in. | PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
|  | 0 to 5 | 40 | | 17.3 | 40" - Moist light brown silty sand with odor |
| | 5 to 10 | 36 | | 26.4 | 36" - Moist grayish brown sandy silt with odor |
| | 10 to 15 | 28 | | 115.9 | 25" - Moist grayish brown silt with odor |
| | 15 to 20 | 32 | | 54.1 | 32" - Moist grayish brown silt with odor |
| | 20 to 25 | 29 | | 65.0 | 29" - Saturated light brown medium to find sand |
| | 25 to 30 | 31 | | 105.0 | 31" - Saturated medium to coarse sand with gravel, cobbles and odor |
| | 30 to 35 | 40 | | 25.0 | 40" - Saturated medium to coarse sand with gravel, cobbles and odor |
| | 35 to 40 | 40 | | 43.0 | 40" - Saturated medium to coarse sand with gravel, cobbles and odor |

# Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

## CW3

| | | | | |
|---|---|---|---|---|
| Location: 7' from Lot 21 and 5' from the building on Lot 33 | | | Depth to Water (ft. from grade.) | Site Elevation Datum |
| Site Name: | Address: 480 Flushing Avenue, Brooklyn | | Date / DTW: 15' below surface grade | Ground Elevation |
| Drilling Company: AARCO Env. Services Corp. | Method: Geoprobe 8140LC | | N/A | Well Specifications |
| Date Started: 1/25/2020 | Date Completed: 1/25/2020 | | | |
| Completion Depth: | Geologist Tony Balado | | | |

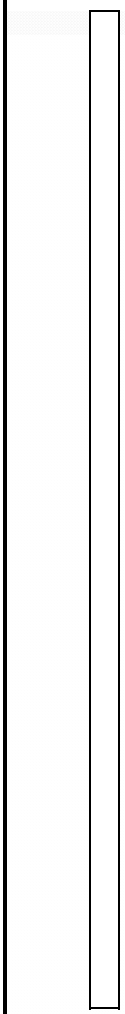
| CW3 (NTS) | DEPTH (ft below grade) | SAMPLES Recovery (in.) | Blow per 6 in. | PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
| | 0 to 5 | 50 | | 0.0 | 25" - Dry black and brown sandy fill with asphalt and metal fragments<br>25" - Dry brown medium to fine grain sand |
| | 5 to 10 | 48 | | 0.0 | 48" - Damp grayish brown sandy silt |
| | 10 to 15 | 29 | | 0.0 | 29" - Dry coarse brown sand with pebbles and gravel |
| | 15 to 20 | 28 | | 0.0 | 28" - Saturated coarse brown sand |
| | 20 to 25 | 35 | | 0.0 | 35" - Saturated coarse brown sand and cobbles |
| | 25 to 30 | 40 | | 0.0 | 40" - Saturated coarse brown sand |
| | 30 to 35 | 45 | | 0.0 | 45" - Saturated coarse brown sand and gravel |
| | 35 to 40 | 48 | | 0.0 | 48" - Saturated dark brown sand and gravel |

# Geologic Boring Log Details

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**CW4**

| | | | | |
|---|---|---|---|---|
| Location: 7' from south property boundary and 2' to the east off the site | | | Depth to Water (ft. from grade.) | Site Elevation Datum |
| Site Name: | Address: 480 Flushing Avenue, Brooklyn | | Date / DTW: 15' below surface grade | Ground Elevation |
| Drilling Company: AARCO Env. Services Corp. | Method: Geoprobe 8140LC | | N/A | Well Specifications |
| Date Started: 1/26/2020 | Date Completed: 1/26/2020 | | | |
| Completion Depth: | Geologist: Tony Balado | | | |

| CW4 (NTS) | DEPTH (ft below grade) | SAMPLES Recovery (in.) | Blow per 6 in. | PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
|  | 0 to 5 | 44 | | 1.2 | 22" - Dry brown to black silty fill with asphalt and wood<br>22" - Dry gray to brown silty sand |
| | 5 to 10 | 50 | | 17.3 | 25" - Damp brown silty sand<br>25" - Dry brown medium to fine sand and pebbles |
| | 10 to 15 | 38 | | 193.0 | 28" - Dry brown to black silty sand<br>10" - Crushed boulders |
| | 15 to 20 | 30 | | 26.2 | 30" - Wet gray to brown coarse sand and pebbles |
| | 20 to 25 | 40 | | 7.3 | 40" - Wet gray to brown coarse sand and pebbles |
| | 25 to 30 | 39 | | 11.2 | 39" - Wet gray to brown coarse sand and pebbles |
| | 30 to 35 | 38 | | 7.2 | 38" - Wet gray to brown coarse sand and pebbles |
| | 35 to 40 | 3 | | 2.3 | 3" - Saturated brown medium sand |

# ***APPENDIX - B***

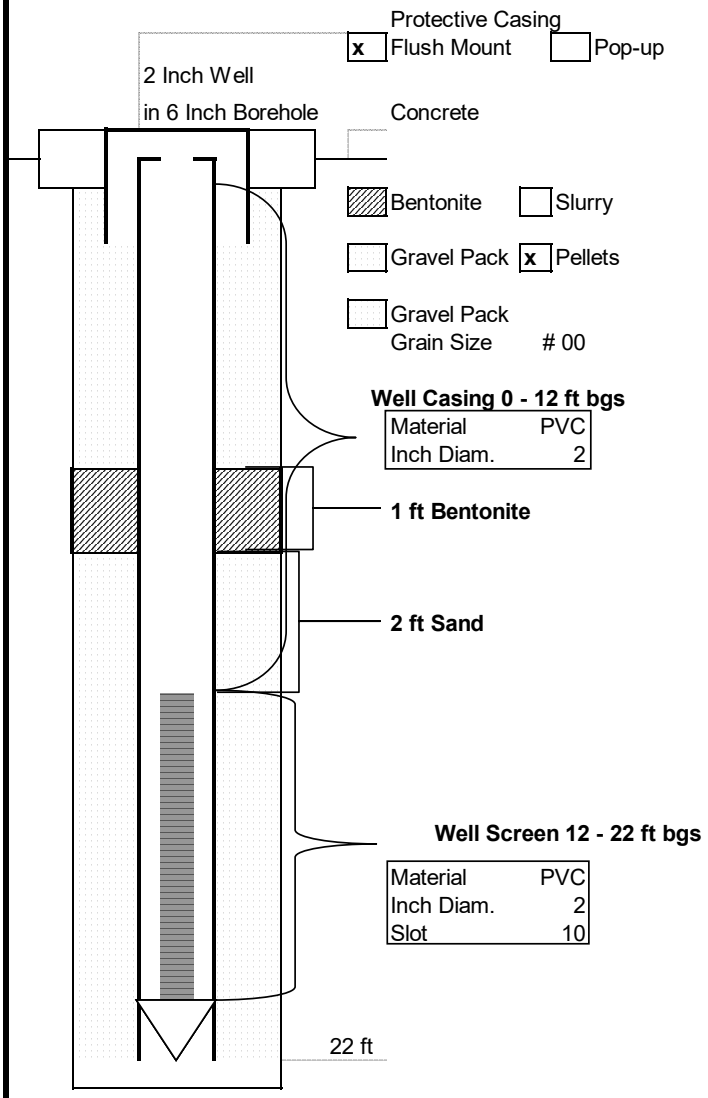
## *Monitoring Well Construction Logs*

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW1-S




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW1-S**

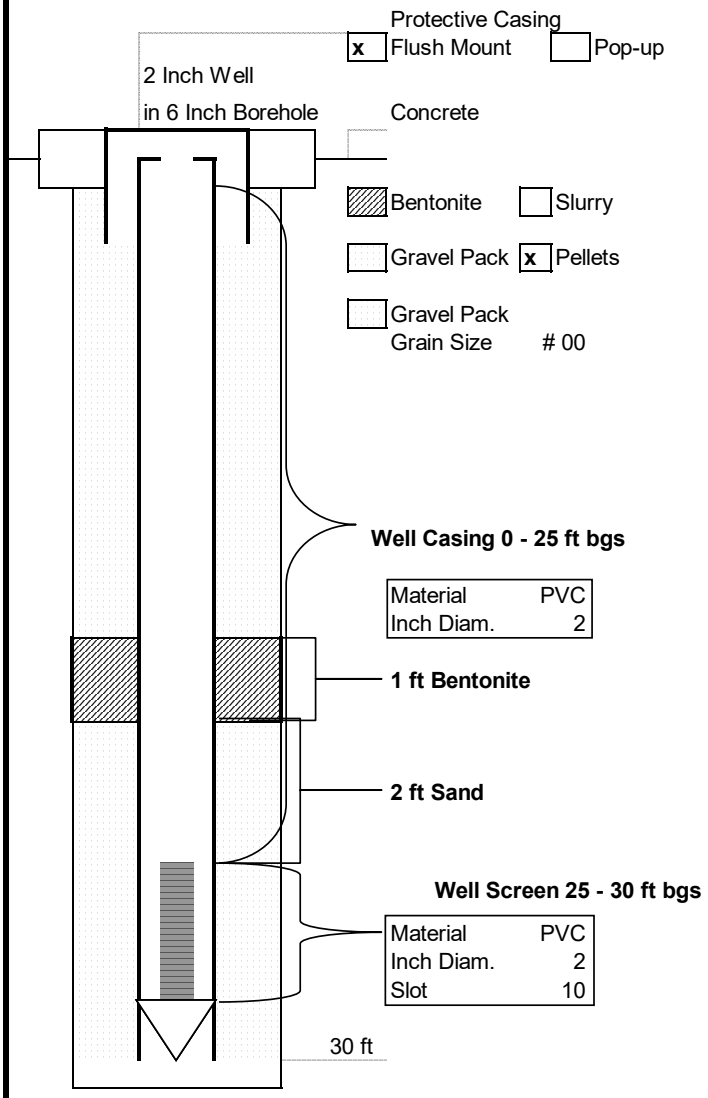
| | |
|---|---|
| Project: | 480 Flushing Avenue, Brooklyn, NY<br>BCP No. C224259 |
| Depth to Groundwater: | 15 ft Date: |
| Installation Depth: | 22 ft |
| Survey Point Elevation: | |
| Installation Date: | 1/25/2021 |
| Drilling Contractor: | AARCO Environmental Services |
| Installation Method: | Geoprobe |
| Water Removed During Development: | 10 gallons |
| Hydrogeologist: | Anthony Balado |
| Company Name: | Environmental Business Consultants |

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW1-I




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW1-I**

Project: 480 Flushing Avenue, Brooklyn, NY
BCP No. C224259

Depth to Groundwater: 15 ft Date: 1/25/2020

Installation Depth: 30 ft

Survey Point Elevation:

Installation Date: 1/25/2021

Drilling Contractor: AARCO Environmental Services

Installation Method: Geoprobe

Water Removed During Development: 12 gallons

Hydrogeologist: Anthony Balado

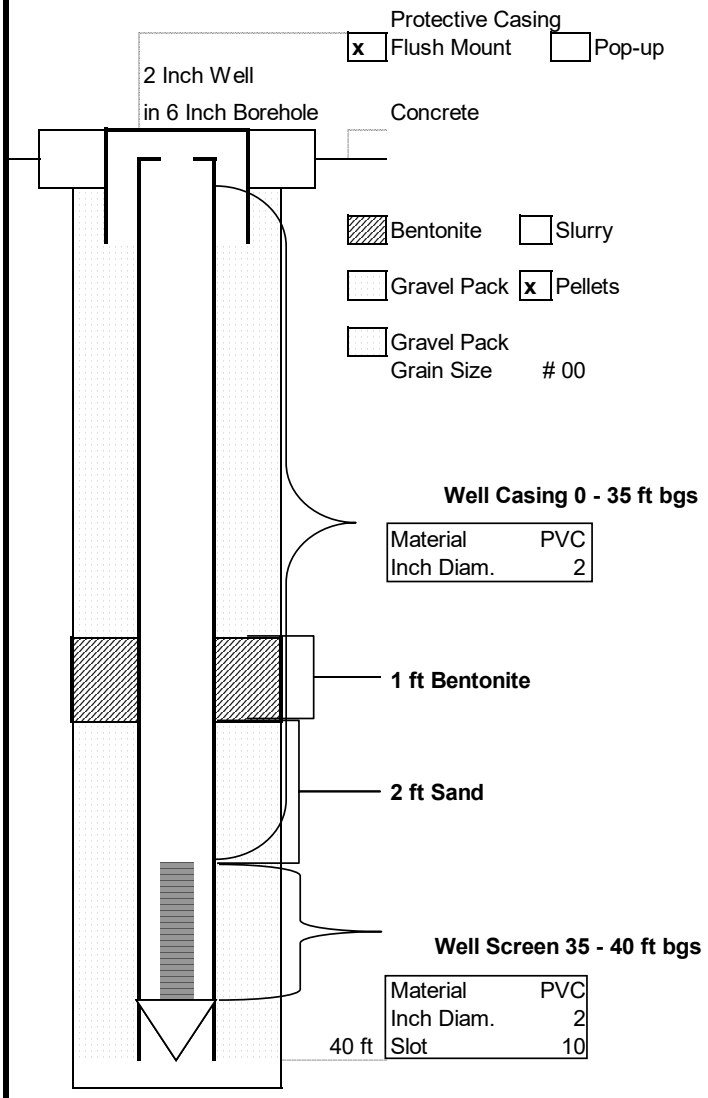
Company Name: Environmental Business Consultants

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW1-D




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW1-D**

Project: 480 Flushing Avenue, Brooklyn, NY
BCP No. C224259

Depth to Groundwater: 15 ft Date: 1/25/2021

Installation Depth: 40 ft

Survey Point Elevation:

Installation Date: 1/25/2021

Drilling Contractor: AARCO Environmental Services

Installation Method: Geoprobe

Water Removed During Development: 15 gallons

Hydrogeologist: Anthony Balado

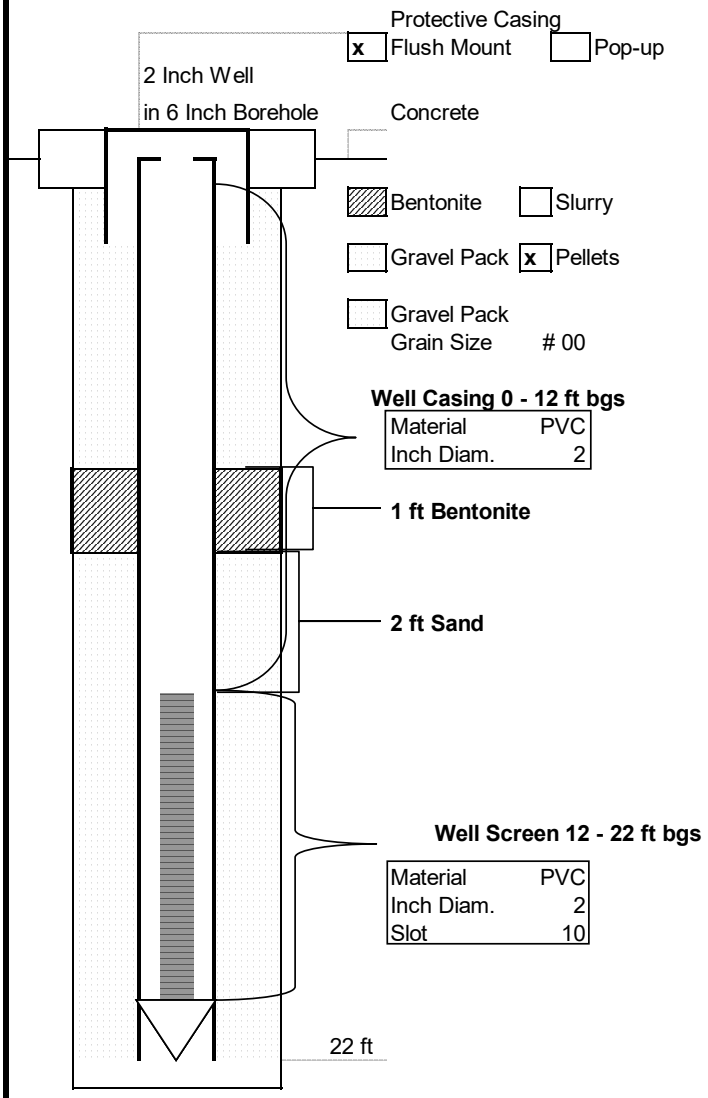
Company Name: Environmental Business Consultants

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW2-S




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW2-S**

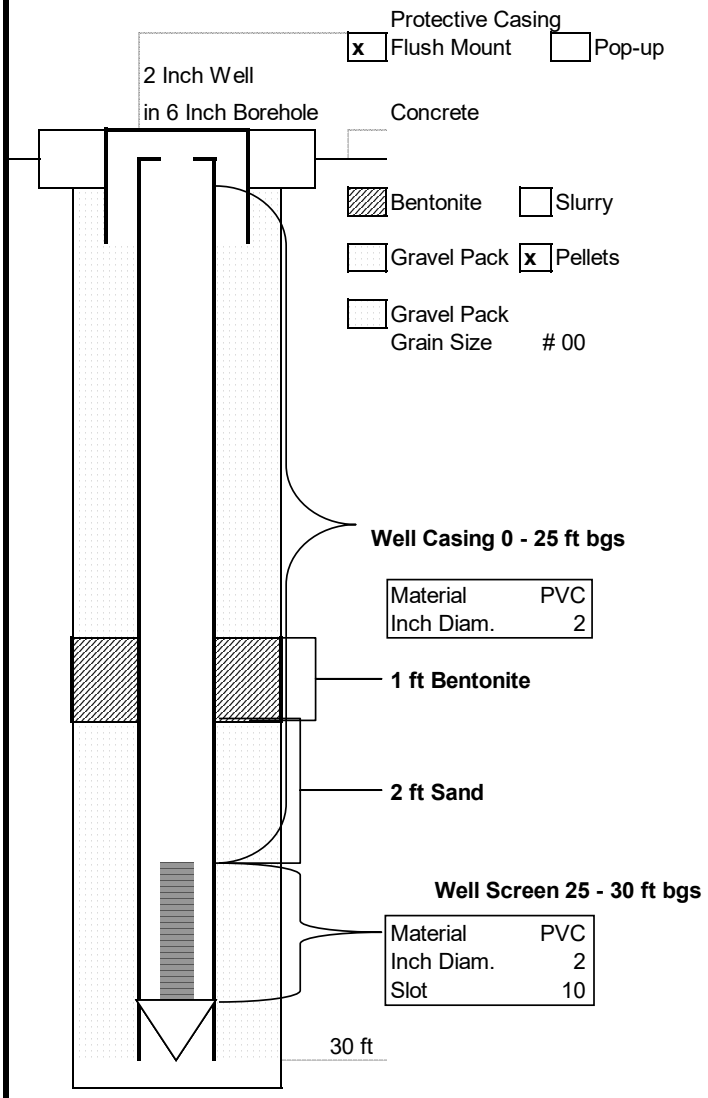
| | |
|---|---|
| Project: | 480 Flushing Avenue, Brooklyn, NY<br>BCP No. C224259 |
| Depth to Groundwater: | 15 ft Date: |
| Installation Depth: | 22 ft |
| Survey Point Elevation: | |
| Installation Date: | 1/25/2021 |
| Drilling Contractor: | AARCO Environmental Services |
| Installation Method: | Geoprobe |
| Water Removed During Development: | 10 gallons |
| Hydrogeologist: | Anthony Balado |
| Company Name: | Environmental Business Consultants |

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW2-I




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW2-I**

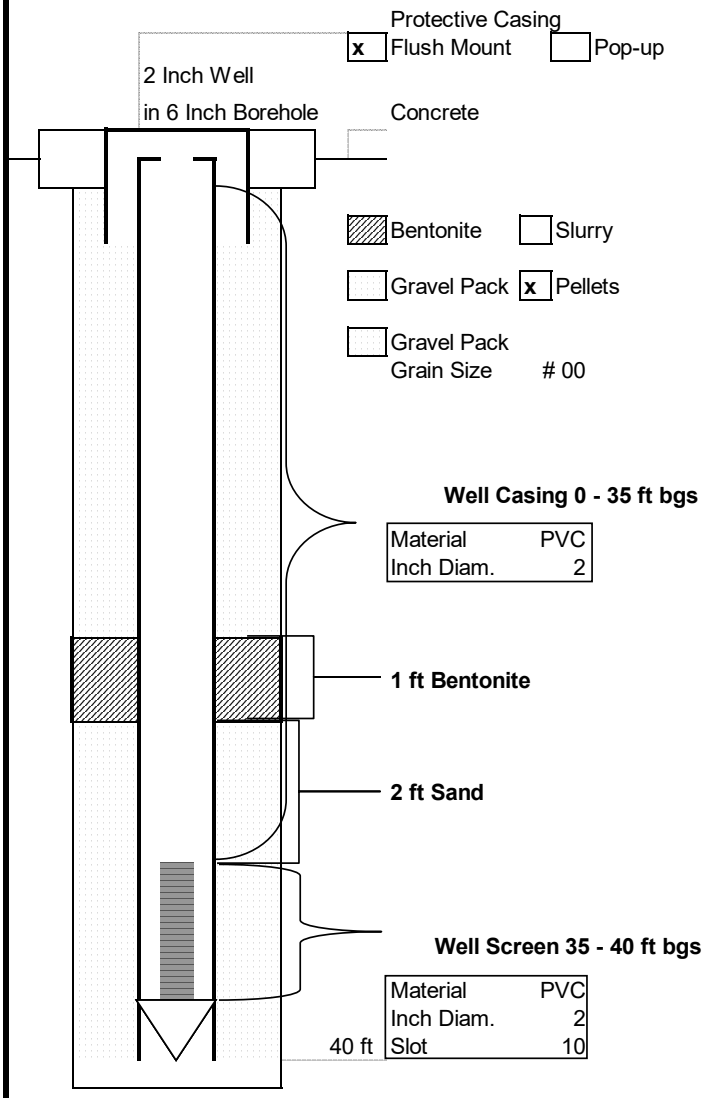
| | | | |
|---|---|---|---|
| Project: | 480 Flushing Avenue, Brooklyn, NY<br>BCP No. C224259 | | |
| Depth to Groundwater: | 15 ft | Date: | 1/25/2020 |
| Installation Depth: | 30 ft | | |
| Survey Point Elevation: | | | |
| Installation Date: | 1/25/2021 | | |
| Drilling Contractor: | AARCO Environmental Services | | |
| Installation Method: | Geoprobe | | |
| Water Removed During Development: | 12 gallons | | |
| Hydrogeologist: | Anthony Balado | | |
| Company Name: | Environmental Business Consultants | | |

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW2-D




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW2-D**

Project: 480 Flushing Avenue, Brooklyn, NY
BCP No. C224259

Depth to Groundwater: 15 ft Date: 1/25/2021

Installation Depth: 40 ft

Survey Point Elevation:

Installation Date: 1/25/2021

Drilling Contractor: AARCO Environmental Services

Installation Method: Geoprobe

Water Removed During Development: 15 gallons

Hydrogeologist: Anthony Balado

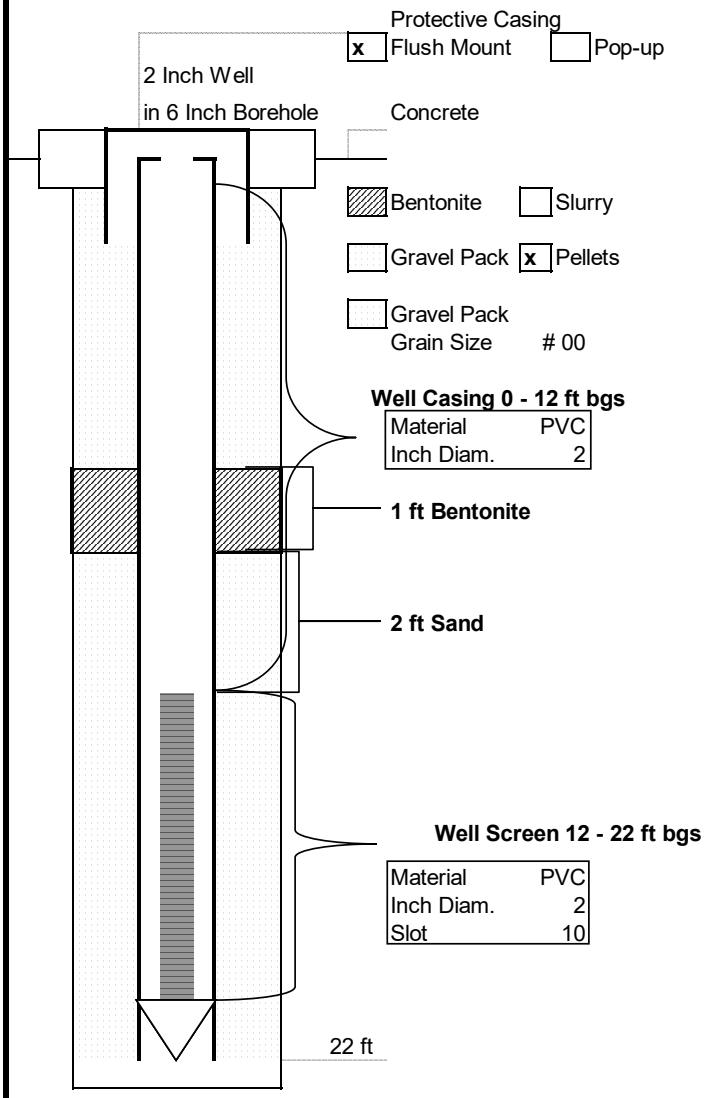
Company Name: Environmental Business Consultants

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW3-S




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW3-S**

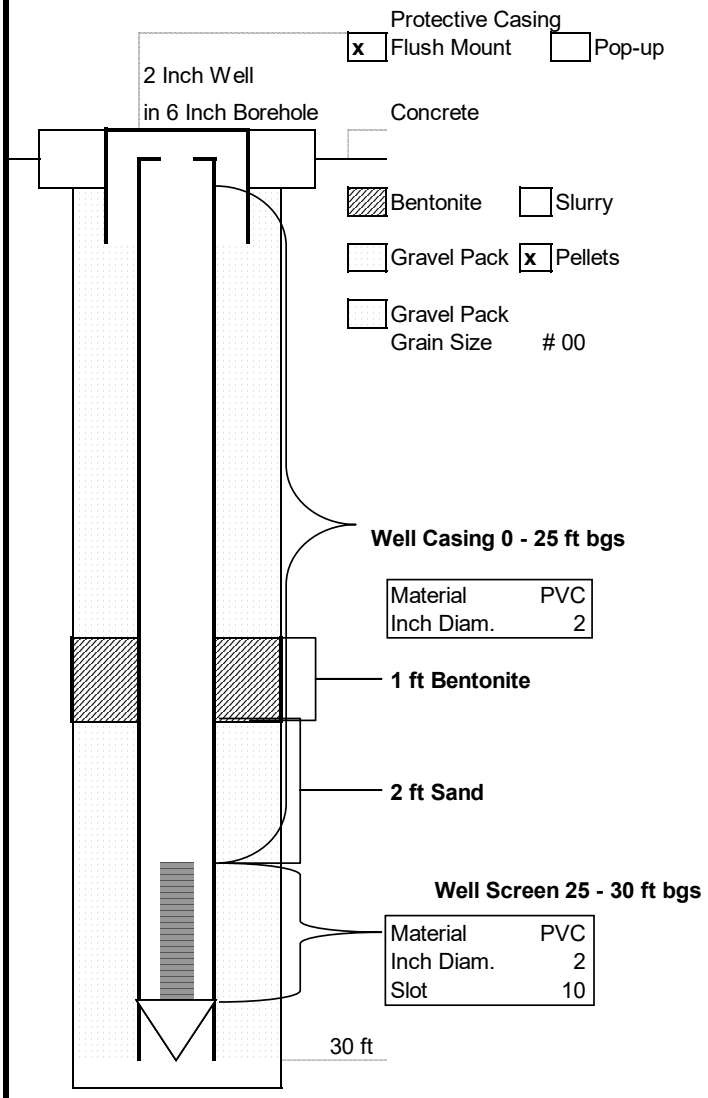
| | |
|---|---|
| Project: | 480 Flushing Avenue, Brooklyn, NY<br>BCP No. C224259 |
| Depth to Groundwater: | 15 ft Date: |
| Installation Depth: | 22 ft |
| Survey Point Elevation: | |
| Installation Date: | 1/25/2021 |
| Drilling Contractor: | AARCO Environmental Services |
| Installation Method: | Geoprobe |
| Water Removed During Development: | 10 gallons |
| Hydrogeologist: | Anthony Balado |
| Company Name: | Environmental Business Consultants |

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW3-I




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW3-I**

Project: 480 Flushing Avenue, Brooklyn, NY
BCP No. C224259

Depth to Groundwater: 15 ft Date: 1/25/2020

Installation Depth: 30 ft

Survey Point Elevation:

Installation Date: 1/25/2021

Drilling Contractor: AARCO Environmental Services

Installation Method: Geoprobe

Water Removed During Development: 12 gallons

Hydrogeologist: Anthony Balado

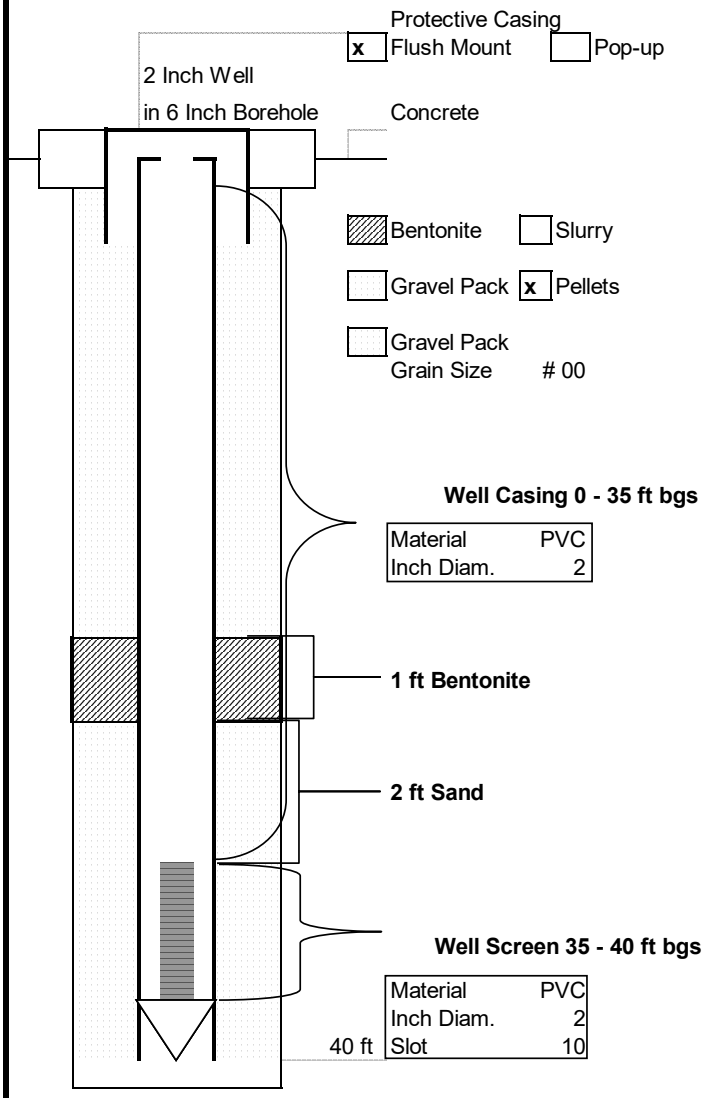
Company Name: Environmental Business Consultants

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW3-D




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW3-D**

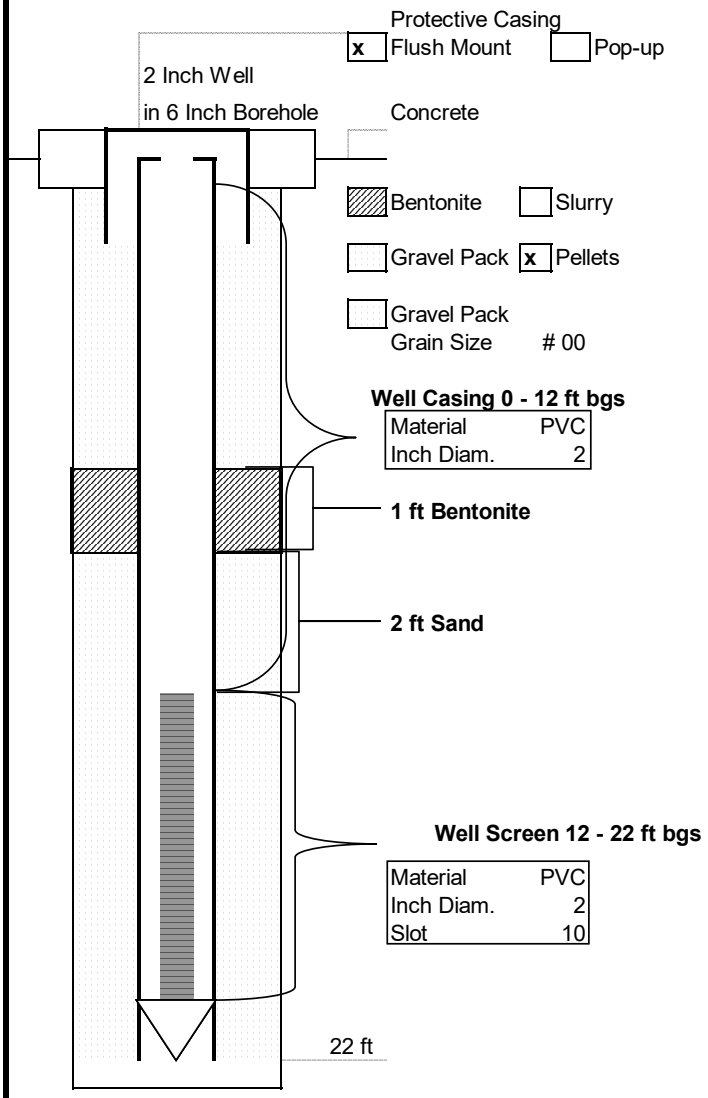
| | |
|---|---|
| Project: | 480 Flushing Avenue, Brooklyn, NY<br>BCP No. C224259 |
| Depth to Groundwater: | 15 ft Date: 1/25/2021 |
| Installation Depth: | 40 ft |
| Survey Point Elevation: | |
| Installation Date: | 1/25/2021 |
| Drilling Contractor: | AARCO Environmental Services |
| Installation Method: | Geoprobe |
| Water Removed During Development: | 15 gallons |
| Hydrogeologist: | Anthony Balado |
| Company Name: | Environmental Business Consultants |

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW4-S




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW4-S**

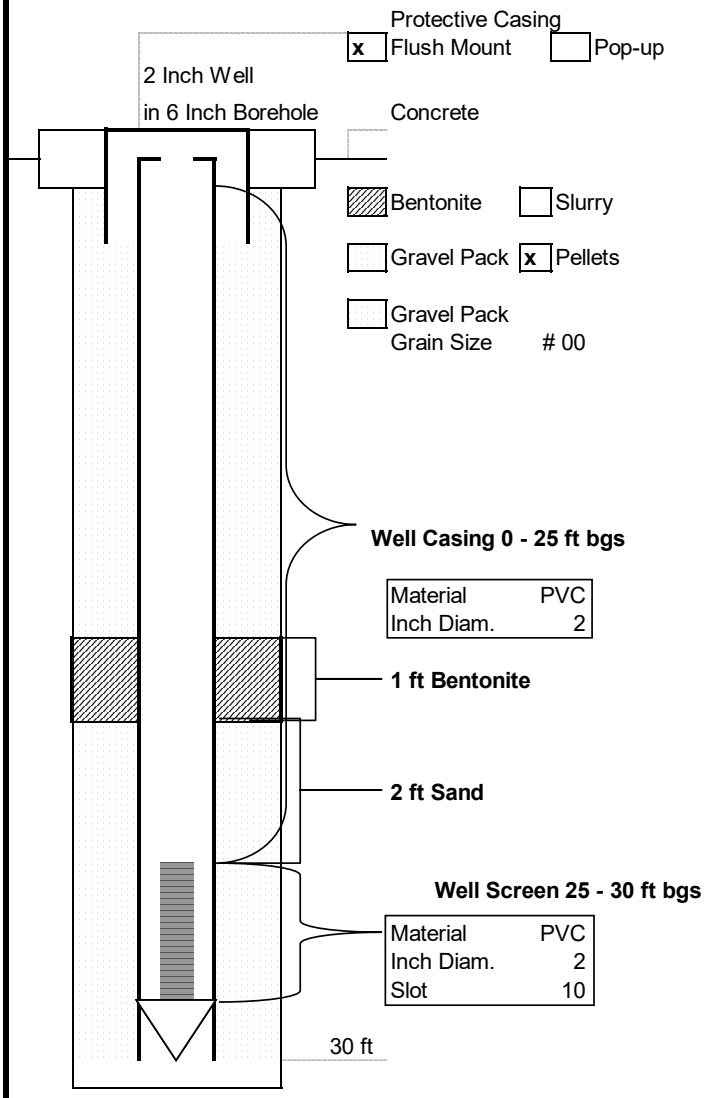
| | |
|---|---|
| Project: | 480 Flushing Avenue, Brooklyn, NY<br>BCP No. C224259 |
| Depth to Groundwater: | 15 ft Date: |
| Installation Depth: | 22 ft |
| Survey Point Elevation: | |
| Installation Date: | 1/25/2021 |
| Drilling Contractor: | AARCO Environmental Services |
| Installation Method: | Geoprobe |
| Water Removed During Development: | 10 gallons |
| Hydrogeologist: | Anthony Balado |
| Company Name: | Environmental Business Consultants |

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW4-I




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW4-I**

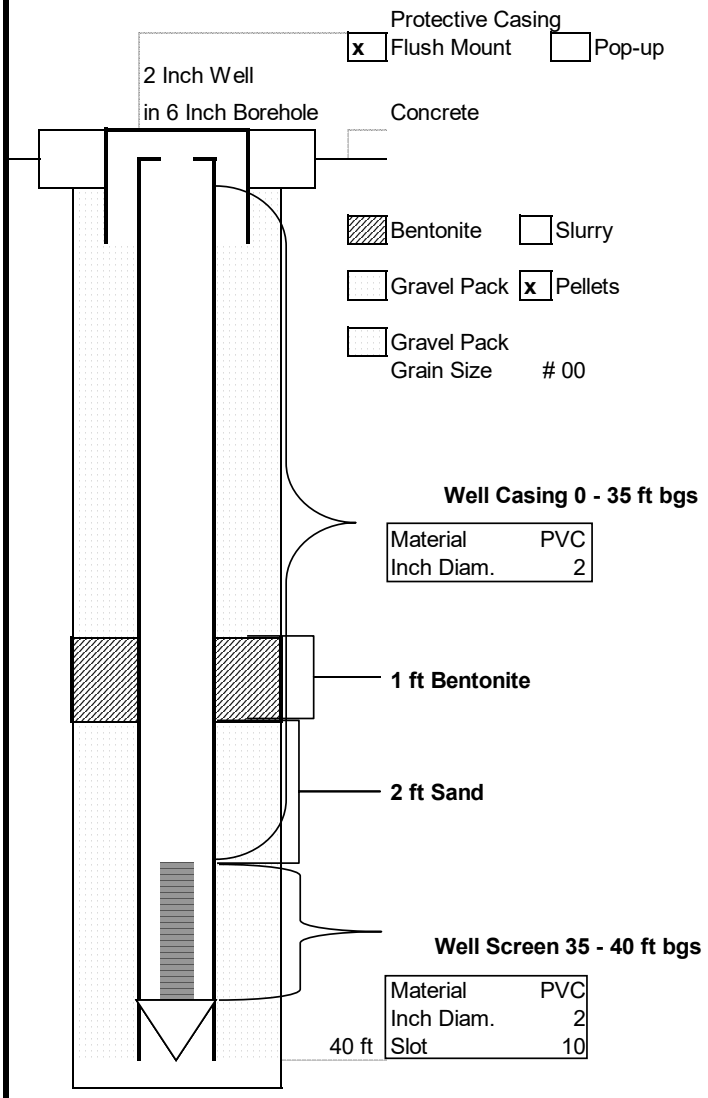
| | |
|---|---|
| Project: | 480 Flushing Avenue, Brooklyn, NY<br>BCP No. C224259 |
| Depth to Groundwater: | 15 ft Date: 1/25/2020 |
| Installation Depth: | 30 ft |
| Survey Point Elevation: | |
| Installation Date: | 1/25/2021 |
| Drilling Contractor: | AARCO Environmental Services |
| Installation Method: | Geoprobe |
| Water Removed During Development: | 12 gallons |
| Hydrogeologist: | Anthony Balado |
| Company Name: | Environmental Business Consultants |

# GROUNDWATER MONITORING WELL

ENVIRONMENTAL BUSINESS CONSULTANTS

## CONSTRUCTION LOG

## CW4-D




Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: **CW4-D**

| | |
|---|---|
| Project: | 480 Flushing Avenue, Brooklyn, NY<br>BCP No. C224259 |
| Depth to Groundwater: | 15 ft Date: 1/25/2021 |
| Installation Depth: | 40 ft |
| Survey Point Elevation: | |
| Installation Date: | 1/25/2021 |
| Drilling Contractor: | AARCO Environmental Services |
| Installation Method: | Geoprobe |
| Water Removed During Development: | 15 gallons |
| Hydrogeologist: | Anthony Balado |
| Company Name: | Environmental Business Consultants |

# ***APPENDIX – C***

## *Groundwater Sampling Logs*

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: CW1-D

Well Depth (from TOC): 40.00'

Static Water Level (from TOC): 13.50'

Height of Water in Well: 26.5'

Gallons of Water per Well Volume: 4.32

Flow Rate: 200 ~~400~~ ml/min

Date: 2.16.21

Equipment: Peristaltic Pump, Horiba

| Time | Pump Rate | Gal. Removed | pH | Cond. (mS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:57 | 200ml/m | 0.0 | 6.78 | 1.14 | 15.84 | 0.00 | -59 | 90.6 | | Clear |
| 9:27 | | 1.5 | 6.79 | 1.22 | 16.03 | 0.00 | -41 | 28.4 | | clear |
| 9:32 | | 1.75 | 6.78 | 1.25 | 15.79 | 0.00 | -34 | 33.2 | | clear |
| 9:37 | | 2.0 | 6.78 | 1.26 | 15.79 | 0.00 | -30 | 35.7 | | clear |
| 9:42 | | 2.25 | 6.78 | 1.26 | 15.79 | 0.00 | -31 | 34.1 | | clear |
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Comments: Sampled @ 9:42 + MW Duplicate (2/16)

Note 400 ml = 0.11 gallons

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: CW1 - I

Well Depth (from TOC): 30.50'

Static Water Level (from TOC): 13.50'

Height of Water in Well: 17.00'

Gallons of Water per Well Volume: 2.77

Flow Rate: 200 ~~400~~ml/min

Date: 2-16-21

Equipment: Peristaltic Pump, Horiba

| Time | Pump Rate | Gal. Removed | pH | Cond. (mS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 7:35 | 200 ml/m | 0.00 | 6.37 | 1.31 | 14.53 | 6.99 | 218 | 47.5 | | Clear |
| 7:40 | | 0.25 | 6.09 | 1.34 | 15.01 | 1.72 | 202 | 24.5 | | clear |
| 7:45 | | 0.50 | 6.06 | 1.35 | 15.18 | 0.75 | 186 | 23.0 | | clear |
| 7:55 | | 0.75 | 6.09 | 1.36 | 15.12 | 0.92 | 171 | 7.0 | | clear |
| 8:05 | | 1.00 | 6.13 | 1.37 | 15.23 | 1.64 | 155 | 12.3 | | clear |
| 8:10 | | 1.25 | 6.21 | 1.38 | 15.27 | 3.29 | 144 | 3.7 | | clear |
| 8:15 | | 1.50 | 6.26 | 1.39 | 15.01 | 7.48 | 137 | 5.6 | | Clear |
| 8:20 | | 1.75 | 6.35 | 1.40 | 15.11 | 7.88 | 123 | 9.9 | | clear |
| 8:25 | | 2.00 | 6.39 | 1.42 | 14.96 | 0.09 | 118 | 17.3 | | clear |
| 8:35 | | 2.25 | 6.45 | 1.43 | 14.94 | 0.00 | 112 | 11.5 | | clear |
| 8:40 | | 2.50 | 6.46 | 1.44 | 14.93 | 0.00 | 110 | 17.1 | | Clear |
| 8:45 | | 2.75 | 6.46 | 1.45 | 14.93 | 0.00 | 111 | 10.2 | | Clear |
| | | | | | | | | | | |

Comments: Sampled @ 8:45 + MS/MSD

Note 400 ml = 0.11 gallons

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: CW1-S

Well Depth (from TOC): 21.00'

Static Water Level (from TOC): 13.60'

Height of Water in Well: 7.40'

Gallons of Water per Well Volume: 1.22

Flow Rate: 200 400ml/min

Date: 2-16-21

Equipment: Peristaltic Pump, Horiba

| Time | Pump Rate | Gal. Removed | pH | Cond. (mS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 9:50 | 200ml/min | 0.0 | 6.44 | 0.719 | 13.44 | 0.11 | 2 | 48.6 | | Clear |
| 10:00 | | 0.50 | 6.29 | 0.679 | 13.43 | 0.00 | 23 | 54.6 | | clear |
| 10:10 | | 1.0 | 6.24 | 0.672 | 13.59 | 0.00 | 27 | 50.4 | | clear |
| 10:15 | | 1.25 | 6.22 | 0.671 | 13.67 | 0.00 | 28 | 50.5 | | clear |
| 10:20 | | 1.50 | 6.19 | 0.671 | 13.69 | 0.00 | 26 | 42.1 | | clear |
| 10:25 | | 1.75 | 6.20 | 0.671 | 13.68 | 0.00 | 26 | 18.9 | | clear |
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Comments: Dampled @ 10:25

Note 400 ml = 0.11 gallons

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: CW 2-D

Well Depth (from TOC): 40.00'

Static Water Level (from TOC): 12.55'

Height of Water in Well: 27.45'

Gallons of Water per Well Volume: 4.48

Flow Rate: 200 ~~400~~ml/min

Date: 2-16-21

Equipment: Peristaltic Pump, Horiba

| Time | Pump Rate | Gal. Removed | pH | Cond. (mS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 10:50 | 200 ml/min | 0.0 | 9.55 | 0.468 | 14.69 | 7.05 | 15 | 714 | | Light turbidity |
| 11:10 | | 1.0 | 7.67 | 1.13 | 16.10 | 0.47 | 39 | 320 | | clear |
| 11:20 | | 1.5 | 7.51 | 1.17 | 16.04 | 0.30 | 49 | 344 | | clear |
| 11:30 | | 2.0 | 7.21 | 1.22 | 16.04 | 0.00 | 54 | 364 | | clear |
| 11:40 | | 2.5 | 7.00 | 1.44 | 16.18 | 0.00 | 44 | 311 | | clear |
| 11:50 | | 3.0 | 6.97 | 1.49 | 16.24 | 0.00 | 39 | 300 | | clear |
| 12:00 | | 3.5 | 6.91 | 1.55 | 16.21 | 0.00 | 43 | 262 | | clear |
| 12:10 | | 4.0 | 6.89 | 1.56 | 15.99 | 0.00 | 46 | 211 | | clear |
| 12:15 | | 4.25 | 6.88 | 1.57 | 16.00 | 0.00 | 47 | 200 | | clear |
| 12:20 | | 4.50 | 6.88 | 1.58 | 16.00 | 0.00 | 47 | 93 | | clear |
| 12:25 | | 4.75 | 6.88 | 1.58 | 16.01 | 0.00 | 47 | 47.1 | | clear |
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Comments: Dewatered @ 12:25

Note 400 ml = 0.11 gallons

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: CW2-I

Date: 2-16-21

Well Depth (from TOC): 30.50'

Equipment: Peristaltic Pump, Horiba

Static Water Level (from TOC): 12.86'

Height of Water in Well: 17.7

Gallons of Water per Well Volume: 2.89

Flow Rate: ~~400~~ 200ml/min.

| Time | Pump Rate | Gal. Removed | pH | Cond. (uS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 12:30 | 200 ml/m | 0.00 | 6.64 | 2.15 | 16.45 | 0.00 | 95 | 49.6 | | clear |
| 12:40 | | 0.5 | 6.58 | 2.07 | 16.77 | 0.00 | 92 | 21.8 | | clear |
| 12:50 | | 1.0 | 6.58 | 1.99 | 16.79 | 0.0 | 87 | | | |
| 12:55 | | 1.25 | 6.58 | 1.95 | 16.75 | 0.0 | 83 | | | |
| 1:00 | | 1.50 | 6.59 | 1.90 | 16.75 | 0.00 | 80 | 31.7 | | |
| 1:05 | | 1.75 | 6.59 | 1.88 | 16.76 | 0.0 | 79 | | | |
| 1:10 | | 2.00 | 6.58 | 1.87 | 16.76 | 0.0 | 79 | 17.1 | | |
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Note 400 ml = 0.11 gallons

Sampled @ 1:10

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: CW2-3

Well Depth (from TOC): 21.00'

Static Water Level (from TOC): 12.72'

Height of Water in Well: 8.28

Gallons of Water per Well Volume: —

Flow Rate: ~~400~~ 200ml/min.

Date: 2/16/21

Equipment: Peristaltic Pump, Horiba

| Time | Pump Rate | Gal. Removed | pH | Cond. (uS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1:15 | 200 ml/m | 0 | 7.45 | 1.41 | 16.23 | 2.02 | 73 | 18.5 | | clear |
| 1:20 | | 0.25 | 8.62 | 0.751 | 16.25 | 2.44 | 5 | 91.7 | | clear |
| 1:25 | | 0.50 | 8.73 | 0.729 | 16.23 | 0.30 | -10 | 83.1 | | clear |
| 1:30 | | 0.75 | 8.79 | 0.686 | 16.21 | 0.03 | -28 | 66.3 | | cloudy white |
| 1:35 | | 1.00 | 8.84 | 0.622 | 16.21 | 0.00 | -51 | 54.3 | | -"- |
| 1:40 | | 1.25 | 8.85 | 0.621 | 16.20 | 0.00 | -52 | 49.1 | | -"- |
| 1:45 | | 1.50 | 8.85 | 0.822 | 16.20 | 0.00 | -51 | 47.1 | | -"- |
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Note 400 ml = 0.11 gallons

Sampled @ 1:45

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: CW3-D

Date: 2-17-21

Well Depth (from TOC): 38.00'

Equipment: Peristaltic Pump, Horiba

Static Water Level (from TOC): 13.24'

Height of Water in Well: 24.76'

Gallons of Water per Well Volume: 4.04

Flow Rate: ~~400~~ 200 ml/min.

| Time | Pump Rate | Gal. Removed | pH | Cond. (uS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 11:11 | 200 ml/m | 0.0 | 6.62 | 0.867 | 11.24 | 0.38 | 111 | 12.2 | | clear |
| 11:21 | | 0.5 | 6.78 | 1.28 | 12.69 | 0.00 | 101 | 5.5 | | clear |
| 11:26 | | 0.75 | 6.79 | 1.29 | 12.65 | 0.00 | 100 | 5.7 | | clear |
| 11:31 | | 1.00 | 6.80 | 1.30 | 12.62 | 0.00 | 99 | 5.3 | | clear |
| 11:36 | | 1.25 | 6.79 | 1.30 | 12.61 | 0.00 | 100 | 5.1 | | clear |
| 11:41 | | 1.50 | 6.80 | 1.29 | 12.62 | 0.00 | 99 | 5.1 | | clear |
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Note 400 ml = 0.11 gallons

Dtw @ 11:41

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

***ENVIRONMENTAL BUSINESS CONSULTANTS***

Well I.D.: CW3 - I

Date: 2-17-21

Well Depth (from TOC): 29.00'

Equipment: Peristaltic Pump, Horiba

Static Water Level (from TOC): 13.20'

Height of Water in Well: 15.80'

Gallons of Water per Well Volume: 2.58

Flow Rate: ~~400~~ 200 ml/min.

| Time | Pump Rate | Gal. Removed | pH | Cond. (uS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 10:31 | 200 ml/min | 0.0 | 8.31 | 0.272 | 8.99 | 0.54 | -29 | 17.3 | | clear |
| 10:41 | | 0.5 | 6.78 | 0.749 | 13.11 | 0.00 | 92 | 39.4 | | clear |
| 10:46 | | 0.75 | 6.64 | 0.812 | 13.33 | 0.00 | 111 | 8.0 | | clr |
| 10:51 | | 1.00 | 6.59 | 0.854 | 13.31 | 0.00 | 120 | 6.3 | | clr |
| 10:56 | | 1.25 | 6.58 | 0.888 | 13.32 | 0.00 | 130 | 7.1 | | clr |
| 11:01 | | 1.50 | 6.58 | 0.889 | 13.32 | 0.00 | 130 | 7.1 | | clr |
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Note 400 ml = 0.11 gallons

Sampled @ 11:01

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: CW 3-5

Date: 2-17-21

Well Depth (from TOC): 19.00'

Equipment: Peristaltic Pump, Horiba

Static Water Level (from TOC): 12.64'

Height of Water in Well: 6.36'

Gallons of Water per Well Volume: 1.04

Flow Rate: ~~400~~ 200 ml/min.

| Time | Pump Rate | Gal. Removed | pH | Cond. (uS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 9:42 | 200ml/m | 0.0 | 8.06 | 0.235 | 11.06 | 4.31 | 59 | 22.1 | | clear |
| 9:52 | | 0.5 | 8.81 | 0.236 | 12.36 | 0.90 | -22 | 19.4 | | clear |
| 9:57 | | 0.75 | 8.73 | 0.237 | 12.30 | 0.48 | -51 | 15.1 | | clear |
| 10:02 | | 1.00 | 8.65 | 0.239 | 12.22 | 0.20 | -70 | 15.7 | | clear |
| 10:07 | | 1.25 | 8.66 | 0.247 | 12.21 | 0.18 | -103 | 16.5 | | clear |
| 10:12 | | 1.50 | 8.61 | 0.250 | 11.95 | 0.00 | -52 | 16.0 | | clear |
| 10:17 | | 1.75 | 8.62 | 0.250 | 11.96 | 0.00 | -53 | 16.0 | | clear |
| 10:22 | | 2.00 | 8.62 | 0.251 | 11.95 | 0.00 | -52 | 15.1 | | clear |
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Note 400 ml = 0.11 gallons

Daryah @

10:22

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: CW4-D

Date: 2-17-21

Well Depth (from TOC): 39.80'

Equipment: Peristaltic Pump, Horiba

Static Water Level (from TOC): 13.20'

Height of Water in Well: 26.60'

Gallons of Water per Well Volume: 4.34

Flow Rate: ~~400~~ml/min.

| Time | Pump Rate | Gal. Removed | pH | Cond. (uS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:56 | 200ml/m | 0.0 | 6.81 | 1.13 | 11.51 | 2.05 | -27 | 415 | | Clear |
| 9:01 | | 0.25 | 6.94 | 1.20 | 12.50 | 0.00 | -12 | 400 | | |
| 9:07 | | 0.50 | 6.96 | 1.14 | 12.11 | 0.00 | -13 | 400 | | |
| 9:12 | | 0.75 | 6.96 | 1.17 | 12.10 | 0.00 | -13 | 111 | | |
| 9:17 | | 1.00 | 6.96 | 1.30 | 11.68 | 0.00 | -13 | 54.1 | | |
| 9:22 | | 1.25 | 6.96 | 1.30 | 11.67 | 0.00 | -13 | 48.7 | | |
| 9:27 | | 1.50 | 6.96 | 1.30 | 11.67 | 0.00 | -13 | 44.4 | | |
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Note 400 ml = 0.11 gallons

Dewatered @ 9:27

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: CW4.I

Date: 2-17-21

Well Depth (from TOC): 31.00'

Equipment: Peristaltic Pump, Horiba

Static Water Level (from TOC): 13.26'

Height of Water in Well: 17.74'

Gallons of Water per Well Volume: 2.89

Flow Rate: ~~400~~ 200 ml/min.

| Time | Pump Rate | Gal. Removed | pH | Cond. (uS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:20 | 200 | 0.00 | 6.44 | 0.815 | 13.05 | 0.00 | -52 | 8.5 | | clear |
| 8:25 | | 0.25 | 6.50 | 0.816 | 13.21 | 0.00 | -66 | 7.6 | | clear |
| 8:30 | | 0.50 | 6.54 | 0.816 | 13.13 | 0.00 | -71 | 7.3 | | clear |
| 8:35 | | 0.75 | 6.57 | 0.819 | 13.29 | 0.00 | -76 | 6.0 | | clear |
| 8:40 | | 1.00 | 6.59 | 0.819 | 13.29 | 0.00 | -78 | 5.8 | | clear |
| 8:45 | | 1.25 | 6.58 | 0.820 | 13.30 | 0.00 | -78 | 5.7 | | clear |
| 8:50 | | 1.50 | 6.59 | 0.820 | 13.30 | 0.00 | -78 | 5.3 | | clear |
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Note 400 ml = 0.11 gallons

Sample @ 8:50

# GROUNDWATER PURGE / SAMPLE LOGS

480 Flushing Avenue, Brooklyn, NY

EBC

**ENVIRONMENTAL BUSINESS CONSULTANTS**

Well I.D.: CW4-S

Well Depth (from TOC): 21.00'

Static Water Level (from TOC): 12.95

Height of Water in Well: 8.05

Gallons of Water per Well Volume: 1.31

Flow Rate: ~~400~~ 200ml/min.

Date: 2-17-21

Equipment: Peristaltic Pump, Horiba

| Time | Pump Rate | Gal. Removed | pH | Cond. (uS/cm) | Temp. (deg. C) | DO (mg/L) | ORP (mV) | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 7:12 | 200ml/mn | 0.00 | 6.86 | 1.78 | 2.87 | 3.31 | -7 | 64.9 | | clear |
| 7:32 | | 1.00 | 6.18 | 1.53 | 10.99 | 0.00 | -13 | 17.8 | | clear |
| 7:37 | | 1.25 | 6.20 | 1.48 | 11.41 | 0.00 | -22 | 14.1 | | clear |
| 7:42 | | 1.50 | 6.23 | 1.46 | 11.43 | 0.00 | -26 | 11.6 | | clear |
| 7:47 | | 1.75 | 6.25 | 1.43 | 11.38 | 0.00 | -29 | 10.7 | | clear |
| 7:52 | | 2.00 | 6.26 | 1.42 | 11.37 | 0.00 | -29 | 9.7 | | clear |
| 7:57 | | 2.25 | 6.26 | 1.42 | 11.37 | 0.00 | -29 | 9.5 | | clear |
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Note 400 ml = 0.11 gallons

Sampled @ 7:57 + MW Duplicate 2/17

# ***APPENDIX - D***

## *Laboratory Reports - Phoenix*

PHOENIX
Environmental Laboratories, Inc.

**Tuesday, February 16, 2021**

**Attn: Mr. Charles B. Sosik, P.G.**
**Environmental Business Consultants**
**1808 Middle Country Rd**
**Ridge NY 11961-2406**

**Project ID:** 480 FLUSHING AVE BK
**SDG ID:** GCH52471
**Sample ID#s:** CH52471 - CH52479

**This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.**

**This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.**

**All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.**

**A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.**

**Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.**

**Sincerely yours,**

**Phyllis Shiller**
**Laboratory Director**

**NELAC - #NY11301**
**CT Lab Registration #PH-0618**
**MA Lab Registration #M-CT007**
**ME Lab Registration #CT-007**
**NH Lab Registration #213693-A,B**
**NJ Lab Registration #CT-003**
**NY Lab Registration #11301**
**PA Lab Registration #68-03530**
**RI Lab Registration #63**
**UT Lab Registration #CT00007**
**VT Lab Registration #VT11301**

**Environmental Laboratories, Inc.**
**587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045**
**Tel. (860) 645-1102 Fax (860) 645-0823**

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# NY ANALYTICAL SERVICES PROTOCOL
# DATA PACKAGE

**Client: Environmental Business Consultants**

**Project: 480 FLUSHING AVE BK**

**Laboratory Project: GCH52471**

**Environmental Laboratories, Inc.**
**587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040**
**Tel. (860) 645-1102 Fax (860) 645-0823**

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# NY Analytical Services Protocol Format

**February 16, 2021** **SDG I.D.: GCH52471**

**Environmental Business Consultants 480 FLUSHING AVE BK**

## Methodology Summary

### Accelerated Solvent Extraction (ASE)

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 3545A.

### Semi-volatiles analysis

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D (SIM - selective ion monitoring mode).

### Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.

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# NY Analytical Services Protocol Format

**February 16, 2021** **SDG I.D.: GCH52471**

**Environmental Business Consultants 480 FLUSHING AVE BK**

## Laboratory Chronicle

**The samples in this delivery group were received at 1.1°C.**

| Sample | Analysis | Collection Date | Prep Date | Analysis Date | Analyst | Hold Time Met |
|---|---|---|---|---|---|---|
| CH52471 | 1,4-Dioxane | 01/25/21 | 01/26/21 | 01/27/21 | WB | Y |
| CH52471 | Client MS/MSD | 01/25/21 | 01/27/21 | 01/27/21 | | Y |
| CH52471 | Field Extraction | 01/25/21 | 01/25/21 | 01/25/21 | | Y |
| CH52471 | Percent Solid | 01/25/21 | 01/26/21 | 01/26/21 | AN | Y |
| CH52471 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52471 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52472 | 1,4-Dioxane | 01/25/21 | 01/26/21 | 01/27/21 | WB | Y |
| CH52472 | Field Extraction | 01/25/21 | 01/25/21 | 01/25/21 | | Y |
| CH52472 | Percent Solid | 01/25/21 | 01/26/21 | 01/26/21 | AN | Y |
| CH52472 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52472 | Volatiles | 01/25/21 | 01/28/21 | 01/28/21 | JLI | Y |
| CH52473 | 1,4-Dioxane | 01/25/21 | 01/26/21 | 01/27/21 | WB | Y |
| CH52473 | Field Extraction | 01/25/21 | 01/25/21 | 01/25/21 | | Y |
| CH52473 | Percent Solid | 01/25/21 | 01/26/21 | 01/26/21 | AN | Y |
| CH52473 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52473 | Volatiles | 01/25/21 | 01/28/21 | 01/28/21 | JLI | Y |
| CH52474 | 1,4-Dioxane | 01/25/21 | 01/26/21 | 01/27/21 | WB | Y |
| CH52474 | Field Extraction | 01/25/21 | 01/25/21 | 01/25/21 | | Y |
| CH52474 | Percent Solid | 01/25/21 | 01/26/21 | 01/26/21 | AN | Y |
| CH52474 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52474 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52475 | 1,4-Dioxane | 01/25/21 | 01/26/21 | 01/27/21 | WB | Y |
| CH52475 | Field Extraction | 01/25/21 | 01/25/21 | 01/25/21 | | Y |
| CH52475 | Percent Solid | 01/25/21 | 01/26/21 | 01/26/21 | AN | Y |
| CH52475 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52475 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52476 | 1,4-Dioxane | 01/25/21 | 01/26/21 | 01/27/21 | WB | Y |
| CH52476 | Field Extraction | 01/25/21 | 01/25/21 | 01/25/21 | | Y |
| CH52476 | Percent Solid | 01/25/21 | 01/26/21 | 01/26/21 | AN | Y |
| CH52476 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52476 | Volatiles | 01/25/21 | 01/28/21 | 01/28/21 | JLI | Y |
| CH52477 | 1,4-Dioxane | 01/25/21 | 01/26/21 | 01/27/21 | WB | Y |

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# NY Analytical Services Protocol Format

**February 16, 2021** **SDG I.D.: GCH52471**

**Environmental Business Consultants 480 FLUSHING AVE BK**

| | | | | | | |
|---|---|---|---|---|---|---|
| CH52477 | Field Extraction | 01/25/21 | 01/25/21 | 01/25/21 | | Y |
| CH52477 | Percent Solid | 01/25/21 | 01/26/21 | 01/26/21 | AN | Y |
| CH52477 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52477 | Volatiles | 01/25/21 | 01/28/21 | 01/28/21 | JLI | Y |
| CH52478 | 1,4-dioxane | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52478 | Field Extraction | 01/25/21 | 01/25/21 | 01/25/21 | | Y |
| CH52478 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52478 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52479 | 1,4-dioxane | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52479 | Field Extraction | 01/25/21 | 01/25/21 | 01/25/21 | | Y |
| CH52479 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |
| CH52479 | Volatiles | 01/25/21 | 01/27/21 | 01/27/21 | JLI | Y |

Environmental Laboratories, Inc.
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# SDG Comments

February 16, 2021

SDG I.D.: GCH52471

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Sample Id Cross Reference

February 16, 2021

SDG I.D.: GCH52471

Project ID: 480 FLUSHING AVE BK

| Client Id | Lab Id | Matrix |
|---|---|---|
| SB20-01 (20-25) | CH52471 | SOIL |
| SB20-01 (25-30) | CH52472 | SOIL |
| SB20-01 (30-35) | CH52473 | SOIL |
| SB20-02 (20-25) | CH52474 | SOIL |
| SB20-02 (25-30) | CH52475 | SOIL |
| SB20-02 (30-35) | CH52476 | SOIL |
| SOIL DUPLICATE 1/25 | CH52477 | SOIL |
| TB HL | CH52478 | SOIL |
| TB LL | CH52479 | SOIL |

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 16, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | AB | 01/25/21 | 13:22 |
| Location Code: | EBC | Received by: | CP | 01/26/21 | 14:06 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH52471
Phoenix ID: CH52471

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-01 (20-25)

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| Percent Solid | 83 | | | | % | | 01/26/21 | AN | SW846-%Solid |
| Extraction for SVOA SIM | Completed | | | | | | 01/26/21 | L/E | SW3545A |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,1-Trichloroethane | 9.2 | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,2,2-Tetrachloroethane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,2-Trichloroethane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloroethane | 1.9 | J | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloroethene | 0.96 | J | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloropropene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,3-Trichlorobenzene | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,3-Trichloropropane | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,4-Trichlorobenzene | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,4-Trimethylbenzene | 0.40 | J | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dibromo-3-chloropropane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dibromoethane | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichlorobenzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichloroethane | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichloropropane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3,5-Trimethylbenzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3-Dichlorobenzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3-Dichloropropane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,4-Dichlorobenzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2,2-Dichloropropane | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Chlorotoluene | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Hexanone | ND | | 17 | 3.5 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Isopropyltoluene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-01 (20-25)

Phoenix I.D.: CH52471

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 4-Methyl-2-pentanone | ND | | 17 | 3.5 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Acetone | 5.0 | JS | 17 | 3.5 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Acrylonitrile | ND | | 7.0 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Benzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromobenzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromochloromethane | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromodichloromethane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromoform | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromomethane | ND | | 3.5 | 1.4 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Carbon Disulfide | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Carbon tetrachloride | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chlorobenzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloroethane | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloroform | 3.8 | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloromethane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| cis-1,2-Dichloroethene | 35 | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dibromochloromethane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dibromomethane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Ethylbenzene | 0.36 | J | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Hexachlorobutadiene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Isopropylbenzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| m&p-Xylene | 1.4 | J | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | | 21 | 3.5 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | | 7.0 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methylene chloride | ND | | 3.5 | 3.5 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Naphthalene | 1.5 | J | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| n-Butylbenzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| n-Propylbenzene | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| o-Xylene | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| p-Isopropyltoluene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| sec-Butylbenzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Styrene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| tert-Butylbenzene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Tetrachloroethene | 590 | | 460 | 93 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | | 7.0 | 1.7 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Toluene | 1.6 | J | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | | 7.0 | 1.7 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichloroethene | 22 | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichlorofluoromethane | ND | | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Vinyl chloride | ND | | 3.5 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 95 | | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-01 (20-25)

Phoenix I.D.: CH52471

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 97 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| % Toluene-d8 | 98 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (50x) | 100 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Bromofluorobenzene (50x) | 96 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Dibromofluoromethane (50x) | 95 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Toluene-d8 (50x) | 98 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 14 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Acrolein | ND | 3.5 | 0.70 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Acrylonitrile | ND | 14 | 0.35 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 70 | 14 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Client MS/MSD | Completed | | | | | 01/27/21 | | | |
| **1,4-Dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 79 | 79 | ug/Kg | 1 | 01/27/21 | WB | SW8270D (SIM) | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2-Fluorobiphenyl | 33 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Nitrobenzene-d5 | 32 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 59 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| Field Extraction | Completed | | | | | 01/25/21 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**February 16, 2021**
**Reviewed and Released by: Ethan Lee, Project Manager**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 16, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | AB | 01/25/21 | 13:32 |
| Location Code: | EBC | Received by: | CP | 01/26/21 | 14:06 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH52471
Phoenix ID: CH52472

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-01 (25-30)

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| Percent Solid | 90 | | | | % | | 01/26/21 | AN | SW846-%Solid |
| Extraction for SVOA SIM | Completed | | | | | | 01/26/21 | L/E | SW3545A |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1,1-Trichloroethane | 33 | J | 220 | 22 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,1,2,2-Tetrachloroethane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1,2-Trichloroethane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1-Dichloroethane | 1.8 | J | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1-Dichloroethene | 0.61 | J | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1-Dichloropropene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2,3-Trichlorobenzene | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2,3-Trichloropropane | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2,4-Trichlorobenzene | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2,4-Trimethylbenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2-Dibromo-3-chloropropane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2-Dibromoethane | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2-Dichlorobenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2-Dichloroethane | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2-Dichloropropane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,3,5-Trimethylbenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,3-Dichlorobenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,3-Dichloropropane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,4-Dichlorobenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 2,2-Dichloropropane | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 2-Chlorotoluene | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 2-Hexanone | ND | | 20 | 4.1 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 2-Isopropyltoluene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C 1 |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-01 (25-30)

Phoenix I.D.: CH52472

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 4-Methyl-2-pentanone | ND | | 20 | 4.1 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Acetone | 39 | S | 20 | 4.1 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Acrylonitrile | ND | | 8.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Benzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Bromobenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Bromochloromethane | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Bromodichloromethane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Bromoform | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Bromomethane | ND | | 4.1 | 1.6 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Carbon Disulfide | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Carbon tetrachloride | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Chlorobenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Chloroethane | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Chloroform | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Chloromethane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| cis-1,2-Dichloroethene | 130 | | 130 | 22 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Dibromochloromethane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Dibromomethane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Ethylbenzene | 0.62 | J | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Hexachlorobutadiene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Isopropylbenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| m&p-Xylene | 2.1 | J | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Methyl Ethyl Ketone | 16 | J | 24 | 4.1 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | | 8.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Methylene chloride | ND | | 4.1 | 4.1 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Naphthalene | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| n-Butylbenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| n-Propylbenzene | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| o-Xylene | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| p-Isopropyltoluene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| sec-Butylbenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Styrene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| tert-Butylbenzene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Tetrachloroethene | 390 | | 220 | 43 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Tetrahydrofuran (THF) | 19 | | 8.1 | 2.0 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Toluene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | | 8.1 | 2.0 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Trichloroethene | 9.8 | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Trichlorofluoromethane | ND | | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Vinyl chloride | ND | | 4.1 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | | | % | 1 | 01/28/21 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 95 | | | | % | 1 | 01/28/21 | JLI | 70 - 130 % |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-01 (25-30)

Phoenix I.D.: CH52472

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 96 | | | % | 1 | 01/28/21 | JLI | 70 - 130 % | |
| % Toluene-d8 | 97 | | | % | 1 | 01/28/21 | JLI | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (50x) | 99 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Bromofluorobenzene (50x) | 95 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Dibromofluoromethane (50x) | 94 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Toluene-d8 (50x) | 99 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 16 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C | |
| Acrolein | ND | 4.1 | 0.81 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C | |
| Acrylonitrile | ND | 16 | 0.41 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 81 | 16 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C | |
| **1,4-Dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 73 | 73 | ug/Kg | 1 | 01/27/21 | WB | SW8270D (SIM) | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2-Fluorobiphenyl | 28 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | 3 |
| % Nitrobenzene-d5 | 30 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 57 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| Field Extraction | Completed | | | | | 01/25/21 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

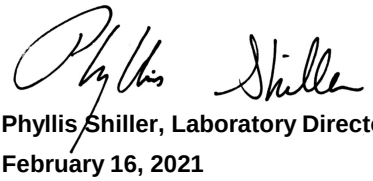
## Comments:

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**
**February 16, 2021**
**Reviewed and Released by: Ethan Lee, Project Manager**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 16, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | AB | 01/25/21 | 13:42 |
| Location Code: | EBC | Received by: | CP | 01/26/21 | 14:06 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH52471
Phoenix ID: CH52473

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-01 (30-35)

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| Percent Solid | 78 | | | % | | 01/26/21 | AN | SW846-%Solid |
| Extraction for SVOA SIM | Completed | | | | | 01/26/21 | L/E | SW3545A |
| **Volatiles** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,1-Trichloroethane | 39 | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,2,2-Tetrachloroethane | ND | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,2-Trichloroethane | ND | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloroethane | 8.7 | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloroethene | 4.7 | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloropropene | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,3-Trichlorobenzene | ND | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,3-Trichloropropane | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,4-Trichlorobenzene | ND | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,4-Trimethylbenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dibromo-3-chloropropane | ND | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dibromoethane | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichlorobenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichloroethane | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichloropropane | ND | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3,5-Trimethylbenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3-Dichlorobenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3-Dichloropropane | ND | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,4-Dichlorobenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2,2-Dichloropropane | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Chlorotoluene | ND | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Hexanone | ND | 18 | 3.6 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Isopropyltoluene | ND | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C 1 |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-01 (30-35)

Phoenix I.D.: CH52473

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 4-Methyl-2-pentanone | ND | | 18 | 3.6 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Acetone | 4.7 | JS | 18 | 3.6 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Acrylonitrile | ND | | 7.2 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Benzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromobenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromochloromethane | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromodichloromethane | ND | | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromoform | ND | | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromomethane | ND | | 3.6 | 1.4 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Carbon Disulfide | ND | | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Carbon tetrachloride | ND | | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chlorobenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloroethane | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloroform | 2.6 | J | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloromethane | ND | | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| cis-1,2-Dichloroethene | 190 | | 180 | 45 | ug/Kg | 50 | 01/28/21 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dibromochloromethane | ND | | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dibromomethane | ND | | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Ethylbenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Hexachlorobutadiene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Isopropylbenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| m&p-Xylene | 0.84 | J | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | | 22 | 3.6 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | | 7.2 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methylene chloride | ND | | 3.6 | 3.6 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Naphthalene | 1.5 | J | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| n-Butylbenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| n-Propylbenzene | ND | | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| o-Xylene | ND | | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| p-Isopropyltoluene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| sec-Butylbenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Styrene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| tert-Butylbenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Tetrachloroethene | 640 | | 450 | 91 | ug/Kg | 50 | 01/28/21 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | | 7.2 | 1.8 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Toluene | 1.5 | J | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | | 7.2 | 1.8 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichloroethene | 59 | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichlorofluoromethane | ND | | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Vinyl chloride | ND | | 3.6 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 96 | | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-01 (30-35)

Phoenix I.D.: CH52473

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 97 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| % Toluene-d8 | 99 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (50x) | 100 | | | % | 50 | 01/28/21 | JLI | 70 - 130 % | |
| % Bromofluorobenzene (50x) | 96 | | | % | 50 | 01/28/21 | JLI | 70 - 130 % | |
| % Dibromofluoromethane (50x) | 94 | | | % | 50 | 01/28/21 | JLI | 70 - 130 % | |
| % Toluene-d8 (50x) | 97 | | | % | 50 | 01/28/21 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 14 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Acrolein | ND | 3.6 | 0.72 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Acrylonitrile | ND | 14 | 0.36 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 72 | 14 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| **1,4-Dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 83 | 83 | ug/Kg | 1 | 01/27/21 | WB | SW8270D (SIM) | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2-Fluorobiphenyl | 29 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | 3 |
| % Nitrobenzene-d5 | 37 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 48 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| Field Extraction | Completed | | | | | 01/25/21 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**
**February 16, 2021**
**Reviewed and Released by: Ethan Lee, Project Manager**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 16, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | AB | 01/25/21 | 14:27 |
| Location Code: | EBC | Received by: | CP | 01/26/21 | 14:06 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH52471
Phoenix ID: CH52474

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-02 (20-25)

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| Percent Solid | 82 | | | % | | 01/26/21 | AN | SW846-%Solid |
| Extraction for SVOA SIM | Completed | | | | | 01/26/21 | L/E | SW3545A |
| **Volatiles** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,1,1-Trichloroethane | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,1,2,2-Tetrachloroethane | ND | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,1,2-Trichloroethane | ND | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloroethane | ND | 270 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloroethene | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloropropene | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,2,3-Trichlorobenzene | ND | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,2,3-Trichloropropane | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,2,4-Trichlorobenzene | ND | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,2,4-Trimethylbenzene | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,2-Dibromo-3-chloropropane | ND | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,2-Dibromoethane | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichlorobenzene | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichloroethane | ND | 33 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichloropropane | ND | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,3,5-Trimethylbenzene | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,3-Dichlorobenzene | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,3-Dichloropropane | ND | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 1,4-Dichlorobenzene | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 2,2-Dichloropropane | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 2-Chlorotoluene | ND | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 2-Hexanone | ND | 1600 | 330 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 2-Isopropyltoluene | ND | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C 1 |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-02 (20-25)

Phoenix I.D.: CH52474

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| 4-Methyl-2-pentanone | ND | | 1600 | 330 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Acetone | ND | | 330 | 330 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Acrylonitrile | ND | | 660 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Benzene | ND | | 60 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Bromobenzene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Bromochloromethane | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Bromodichloromethane | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Bromoform | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Bromomethane | ND | | 330 | 130 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Carbon Disulfide | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Carbon tetrachloride | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Chlorobenzene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Chloroethane | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Chloroform | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Chloromethane | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| cis-1,2-Dichloroethene | 46 | J | 250 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Dibromochloromethane | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Dibromomethane | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Ethylbenzene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Hexachlorobutadiene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Isopropylbenzene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| m&p-Xylene | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | | 130 | 130 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | | 660 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Methylene chloride | ND | | 130 | 130 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Naphthalene | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| n-Butylbenzene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| n-Propylbenzene | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| o-Xylene | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| p-Isopropyltoluene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| sec-Butylbenzene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Styrene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| tert-Butylbenzene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Tetrachloroethene | 200 | | 180 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | | 660 | 160 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Toluene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | | 190 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | | 660 | 160 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Trichloroethene | 92 | J | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Trichlorofluoromethane | ND | | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | | 330 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Vinyl chloride | ND | | 33 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 (50x) | 99 | | | | % | 50 | 01/27/21 | JLI | 70 - 130 % |
| % Bromofluorobenzene (50x) | 96 | | | | % | 50 | 01/27/21 | JLI | 70 - 130 % |

**Ver 2**

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-02 (20-25)

Phoenix I.D.: CH52474

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane (50x) | 94 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Toluene-d8 (50x) | 98 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1300 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| Acrolein | ND | 330 | 66 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| Acrylonitrile | ND | 1300 | 33 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 6600 | 1300 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| **1,4-Dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 79 | 79 | ug/Kg | 1 | 01/27/21 | WB | SW8270D (SIM) | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2-Fluorobiphenyl | 31 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Nitrobenzene-d5 | 32 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 53 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| Field Extraction | Completed | | | | | 01/25/21 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.
Elevated reporting limits for volatiles due to overweight LL field preserved sample vials.

Volatile Comment
The client provided low level could not be analyzed due to physical interference from too much soil. The high level preserved vial requires a dilution resulting in elevated reporting levels.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**

**February 16, 2021**

**Reviewed and Released by: Ethan Lee, Project Manager**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 16, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | AB | 01/25/21 | 14:31 |
| Location Code: | EBC | Received by: | CP | 01/26/21 | 14:06 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH52471
Phoenix ID: CH52475

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-02 (25-30)

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| Percent Solid | 81 | | | | % | | 01/26/21 | AN | SW846-%Solid |
| Extraction for SVOA SIM | Completed | | | | | | 01/26/21 | L/E | SW3545A |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,1-Trichloroethane | 3.2 | J | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,2,2-Tetrachloroethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,2-Trichloroethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloroethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloroethene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloropropene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,3-Trichlorobenzene | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,3-Trichloropropane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,4-Trichlorobenzene | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,4-Trimethylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dibromo-3-chloropropane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dibromoethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichlorobenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichloroethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichloropropane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3,5-Trimethylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3-Dichlorobenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3-Dichloropropane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,4-Dichlorobenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2,2-Dichloropropane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Chlorotoluene | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Hexanone | ND | | 16 | 3.3 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Isopropyltoluene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C 1 |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-02 (25-30)

Phoenix I.D.: CH52475

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 4-Methyl-2-pentanone | ND | | 16 | 3.3 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Acetone | 3.9 | JS | 16 | 3.3 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Acrylonitrile | ND | | 6.5 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Benzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromobenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromochloromethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromodichloromethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromoform | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromomethane | ND | | 3.3 | 1.3 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Carbon Disulfide | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Carbon tetrachloride | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chlorobenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloroethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloroform | 0.37 | J | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloromethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| cis-1,2-Dichloroethene | 10 | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dibromochloromethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dibromomethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Ethylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Hexachlorobutadiene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Isopropylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| m&p-Xylene | 0.83 | J | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | | 20 | 3.3 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | | 6.5 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methylene chloride | ND | | 3.3 | 3.3 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Naphthalene | 8.0 | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| n-Butylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| n-Propylbenzene | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| o-Xylene | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| p-Isopropyltoluene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| sec-Butylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Styrene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| tert-Butylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Tetrachloroethene | 40 | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | | 6.5 | 1.6 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Toluene | 0.97 | J | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | | 6.5 | 1.6 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichloroethene | 34 | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichlorofluoromethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Vinyl chloride | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 95 | | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-02 (25-30)

Phoenix I.D.: CH52475

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 98 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| % Toluene-d8 | 99 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 13 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Acrolein | ND | 3.3 | 0.65 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Acrylonitrile | ND | 13 | 0.33 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 65 | 13 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| **1,4-Dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 82 | 82 | ug/Kg | 1 | 01/27/21 | WB | SW8270D (SIM) | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2-Fluorobiphenyl | 31 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Nitrobenzene-d5 | 30 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 60 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| Field Extraction | Completed | | | | | 01/25/21 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**February 16, 2021**
**Reviewed and Released by: Ethan Lee, Project Manager**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 16, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | AB | 01/25/21 | 14:45 |
| Location Code: | EBC | Received by: | CP | 01/26/21 | 14:06 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH52471
Phoenix ID: CH52476

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-02 (30-35)

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| Percent Solid | 85 | | | % | | 01/26/21 | AN | SW846-%Solid |
| Extraction for SVOA SIM | Completed | | | | | 01/26/21 | L/E | SW3545A |
| **Volatiles** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,1-Trichloroethane | 41 | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,2,2-Tetrachloroethane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1,2-Trichloroethane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloroethane | 3.1 | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloroethene | 3.3 | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,1-Dichloropropene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,3-Trichlorobenzene | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,3-Trichloropropane | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,4-Trichlorobenzene | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2,4-Trimethylbenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dibromo-3-chloropropane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dibromoethane | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichlorobenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichloroethane | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,2-Dichloropropane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3,5-Trimethylbenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3-Dichlorobenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,3-Dichloropropane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 1,4-Dichlorobenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2,2-Dichloropropane | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Chlorotoluene | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Hexanone | ND | 14 | 2.7 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 2-Isopropyltoluene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C 1 |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-02 (30-35)

Phoenix I.D.: CH52476

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| 4-Methyl-2-pentanone | ND | 14 | 2.7 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Acetone | ND | 14 | 2.7 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Acrylonitrile | ND | 5.4 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Benzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromobenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromochloromethane | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromodichloromethane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromoform | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromomethane | ND | 2.7 | 1.1 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Carbon Disulfide | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Carbon tetrachloride | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chlorobenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloroethane | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloroform | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloromethane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| cis-1,2-Dichloroethene | 120 | 95 | 24 | ug/Kg | 50 | 01/28/21 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dibromochloromethane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dibromomethane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Ethylbenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Hexachlorobutadiene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Isopropylbenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| m&p-Xylene | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | 16 | 2.7 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | 5.4 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methylene chloride | ND | 2.7 | 2.7 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Naphthalene | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| n-Butylbenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| n-Propylbenzene | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| o-Xylene | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| p-Isopropyltoluene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| sec-Butylbenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Styrene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| tert-Butylbenzene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Tetrachloroethene | 240 | 240 | 48 | ug/Kg | 50 | 01/28/21 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | 5.4 | 1.4 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Toluene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | 5.4 | 1.4 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichloroethene | 26 | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichlorofluoromethane | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Vinyl chloride | ND | 2.7 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 96 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |

Project ID: 480 FLUSHING AVE BK
Client ID: SB20-02 (30-35)

Phoenix I.D.: CH52476

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 98 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| % Toluene-d8 | 98 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (50x) | 99 | | | % | 50 | 01/28/21 | JLI | 70 - 130 % | |
| % Bromofluorobenzene (50x) | 95 | | | % | 50 | 01/28/21 | JLI | 70 - 130 % | |
| % Dibromofluoromethane (50x) | 93 | | | % | 50 | 01/28/21 | JLI | 70 - 130 % | |
| % Toluene-d8 (50x) | 97 | | | % | 50 | 01/28/21 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 11 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Acrolein | ND | 2.7 | 0.54 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Acrylonitrile | ND | 11 | 0.27 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 54 | 11 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| **1,4-Dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 77 | 77 | ug/Kg | 1 | 01/27/21 | WB | SW8270D (SIM) | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2-Fluorobiphenyl | 30 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Nitrobenzene-d5 | 31 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 53 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| Field Extraction | Completed | | | | | 01/25/21 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**February 16, 2021**
**Reviewed and Released by: Ethan Lee, Project Manager**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 16, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | AB | 01/25/21 | |
| Location Code: | EBC | Received by: | CP | 01/26/21 | 14:06 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH52471
Phoenix ID: CH52477

Project ID: 480 FLUSHING AVE BK
Client ID: SOIL DUPLICATE 1/25

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| Percent Solid | 78 | | | | % | | 01/26/21 | AN | SW846-%Solid |
| Extraction for SVOA SIM | Completed | | | | | | 01/26/21 | L/E | SW3545A |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1,1-Trichloroethane | 20 | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1,2,2-Tetrachloroethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1,2-Trichloroethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1-Dichloroethane | 6.5 | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1-Dichloroethene | 2.8 | J | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,1-Dichloropropene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2,3-Trichlorobenzene | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2,3-Trichloropropane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2,4-Trichlorobenzene | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2,4-Trimethylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2-Dibromo-3-chloropropane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2-Dibromoethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2-Dichlorobenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2-Dichloroethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,2-Dichloropropane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,3,5-Trimethylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,3-Dichlorobenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,3-Dichloropropane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 1,4-Dichlorobenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 2,2-Dichloropropane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 2-Chlorotoluene | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 2-Hexanone | ND | | 16 | 3.3 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 2-Isopropyltoluene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C 1 |

Project ID: 480 FLUSHING AVE BK
Client ID: SOIL DUPLICATE 1/25

Phoenix I.D.: CH52477

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| 4-Methyl-2-pentanone | ND | | 16 | 3.3 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Acetone | 4.8 | JS | 16 | 3.3 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Acrylonitrile | ND | | 6.5 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Benzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Bromobenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Bromochloromethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Bromodichloromethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Bromoform | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Bromomethane | ND | | 3.3 | 1.3 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Carbon Disulfide | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Carbon tetrachloride | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Chlorobenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Chloroethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Chloroform | 1.5 | J | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Chloromethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| cis-1,2-Dichloroethene | 200 | | 160 | 41 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Dibromochloromethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Dibromomethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Ethylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Hexachlorobutadiene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Isopropylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| m&p-Xylene | 0.73 | J | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | | 20 | 3.3 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | | 6.5 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Methylene chloride | ND | | 3.3 | 3.3 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Naphthalene | 1.4 | J | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| n-Butylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| n-Propylbenzene | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| o-Xylene | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| p-Isopropyltoluene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| sec-Butylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Styrene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| tert-Butylbenzene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Tetrachloroethene | 690 | | 410 | 82 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | | 6.5 | 1.6 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Toluene | 0.70 | J | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | | 6.5 | 1.6 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Trichloroethene | 43 | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Trichlorofluoromethane | ND | | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| Vinyl chloride | ND | | 3.3 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | | % | 1 | 01/28/21 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 94 | | | | % | 1 | 01/28/21 | JLI | 70 - 130 % |

Project ID: 480 FLUSHING AVE BK
Client ID: SOIL DUPLICATE 1/25

Phoenix I.D.: CH52477

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 91 | | | % | 1 | 01/28/21 | JLI | 70 - 130 % | |
| % Toluene-d8 | 98 | | | % | 1 | 01/28/21 | JLI | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (50x) | 100 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Bromofluorobenzene (50x) | 96 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Dibromofluoromethane (50x) | 92 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Toluene-d8 (50x) | 98 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 13 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C | |
| Acrolein | ND | 3.3 | 0.65 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C | |
| Acrylonitrile | ND | 13 | 0.33 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 65 | 13 | ug/Kg | 1 | 01/28/21 | JLI | SW8260C | |
| **1,4-Dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 83 | 83 | ug/Kg | 1 | 01/27/21 | WB | SW8270D (SIM) | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2-Fluorobiphenyl | 25 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | 3 |
| % Nitrobenzene-d5 | 31 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 56 | | | % | 1 | 01/27/21 | WB | 30 - 130 % | |
| Field Extraction | Completed | | | | | 01/25/21 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**
**February 16, 2021**
**Reviewed and Released by: Ethan Lee, Project Manager**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 16, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | AB | 01/25/21 | |
| Location Code: | EBC | Received by: | CP | 01/26/21 | 14:06 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH52471
Phoenix ID: CH52478

Project ID: 480 FLUSHING AVE BK
Client ID: TB HL

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,1,1-Trichloroethane | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,1,2-Trichloroethane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,1-Dichloroethane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,1-Dichloroethene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,1-Dichloropropene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,2,3-Trichloropropane | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,2-Dibromoethane | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,2-Dichlorobenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,2-Dichloroethane | ND | 25 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,2-Dichloropropane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,3-Dichlorobenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,3-Dichloropropane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 1,4-Dichlorobenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 2,2-Dichloropropane | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 2-Chlorotoluene | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 2-Hexanone | ND | 1300 | 250 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 2-Isopropyltoluene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | 1300 | 250 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: TB HL

Phoenix I.D.: CH52478

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 250 | 250 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Acrylonitrile | ND | 500 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Benzene | ND | 60 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Bromobenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Bromochloromethane | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Bromodichloromethane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Bromoform | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Bromomethane | ND | 250 | 100 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Carbon Disulfide | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Carbon tetrachloride | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Chlorobenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Chloroethane | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Chloroform | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Chloromethane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| cis-1,2-Dichloroethene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Dibromochloromethane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Dibromomethane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Ethylbenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Hexachlorobutadiene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Isopropylbenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| m&p-Xylene | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | 120 | 120 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | 500 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Methylene chloride | ND | 100 | 100 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Naphthalene | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| n-Butylbenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| n-Propylbenzene | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| o-Xylene | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| p-Isopropyltoluene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| sec-Butylbenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Styrene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| tert-Butylbenzene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Tetrachloroethene | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | 500 | 130 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Toluene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | 190 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | 500 | 130 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Trichloroethene | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Trichlorofluoromethane | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | 250 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| Vinyl chloride | ND | 25 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 (50x) | 100 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % |
| % Bromofluorobenzene (50x) | 96 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % |
| % Dibromofluoromethane (50x) | 97 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % |
| % Toluene-d8 (50x) | 99 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % |

Project ID: 480 FLUSHING AVE BK
Client ID: TB HL

Phoenix I.D.: CH52478

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 2000 | 2000 | ug/kg | 50 | 01/27/21 | JLI | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 (50x) | 100 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Bromofluorobenzene (50x) | 96 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Dibromofluoromethane (50x) | 97 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| % Toluene-d8 (50x) | 99 | | | % | 50 | 01/27/21 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1000 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| Acrolein | ND | 250 | 50 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| Acrylonitrile | ND | 1000 | 25 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 5000 | 1000 | ug/Kg | 50 | 01/27/21 | JLI | SW8260C | |
| Field Extraction | Completed | | | | | 01/25/21 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**February 16, 2021**
**Reviewed and Released by: Ethan Lee, Project Manager**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 16, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | AB | 01/25/21 | |
| Location Code: | EBC | Received by: | CP | 01/26/21 | 14:06 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH52471
Phoenix ID: CH52479

Project ID: 480 FLUSHING AVE BK
Client ID: TB LL

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,1,1-Trichloroethane | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,1-Dichloroethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,1-Dichloroethene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,1-Dichloropropene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,2,3-Trichloropropane | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,2-Dibromoethane | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,2-Dichlorobenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,2-Dichloroethane | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,2-Dichloropropane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,3-Dichlorobenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,3-Dichloropropane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 1,4-Dichlorobenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 2,2-Dichloropropane | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 2-Chlorotoluene | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 2-Hexanone | ND | 25 | 5.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 2-Isopropyltoluene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | 25 | 5.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: TB LL

Phoenix I.D.: CH52479

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 25 | 5.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Acrylonitrile | ND | 10 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Benzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromobenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromochloromethane | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromodichloromethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromoform | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Bromomethane | ND | 5.0 | 2.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Carbon Disulfide | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Carbon tetrachloride | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chlorobenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloroethane | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloroform | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Chloromethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| cis-1,2-Dichloroethene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dibromochloromethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dibromomethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Ethylbenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Hexachlorobutadiene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Isopropylbenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| m&p-Xylene | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | 30 | 5.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | 10 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Methylene chloride | ND | 5.0 | 5.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Naphthalene | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| n-Butylbenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| n-Propylbenzene | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| o-Xylene | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| p-Isopropyltoluene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| sec-Butylbenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Styrene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| tert-Butylbenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Tetrachloroethene | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | 10 | 2.5 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Toluene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | 10 | 2.5 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichloroethene | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichlorofluoromethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| Vinyl chloride | ND | 5.0 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 97 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 96 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |
| % Toluene-d8 | 98 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % |

Project ID: 480 FLUSHING AVE BK
Client ID: TB LL

Phoenix I.D.: CH52479

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 75 | 40 | ug/kg | 1 | 01/27/21 | JLI | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| % Bromofluorobenzene | 97 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| % Dibromofluoromethane | 96 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| % Toluene-d8 | 98 | | | % | 1 | 01/27/21 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 20 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Acrolein | ND | 5.0 | 1.0 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Acrylonitrile | ND | 20 | 0.50 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 100 | 20 | ug/Kg | 1 | 01/27/21 | JLI | SW8260C | |
| Field Extraction | Completed | | | | | 01/25/21 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**
**February 16, 2021**
**Reviewed and Released by: Ethan Lee, Project Manager**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

# QA/QC Report

February 16, 2021

## QA/QC Data

SDG I.D.: GCH52471

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| QA/QC Batch 561486 (ug/kg), QC Sample No: CH52471 (CH52471, CH52472, CH52473, CH52474, CH52475, CH52476, CH52477) | | | | | | | | | | | |
| **Polynuclear Aromatic HC - Soil** | | | | | | | | | | | |
| 1,4-dioxane | ND | 67 | 42 | 40 | 4.9 | 42 | 40 | 4.9 | 30 - 130 | 30 | |
| % 2-Fluorobiphenyl | 36 | % | 30 | 31 | 3.3 | 33 | 38 | 14.1 | 30 - 130 | 30 | |
| % Nitrobenzene-d5 | 32 | % | 31 | 30 | 3.3 | 41 | 40 | 2.5 | 30 - 130 | 30 | |
| % Terphenyl-d14 | 58 | % | 56 | 57 | 1.8 | 55 | 59 | 7.0 | 30 - 130 | 30 | |
| QA/QC Batch 561718 (ug/kg), QC Sample No: CH52471 (CH52471, CH52473, CH52475, CH52476, CH52479) | | | | | | | | | | | |
| **Volatiles - Soil (Low Level)** | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 97 | 98 | 1.0 | 92 | 96 | 4.3 | 70 - 130 | 30 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 95 | 94 | 1.1 | 99 | 89 | 10.6 | 70 - 130 | 30 | |
| 1,1,2,2-Tetrachloroethane | ND | 3.0 | 102 | 102 | 0.0 | 91 | 94 | 3.2 | 70 - 130 | 30 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 97 | 99 | 2.0 | 90 | 94 | 4.3 | 70 - 130 | 30 | |
| 1,1-Dichloroethane | ND | 5.0 | 94 | 95 | 1.1 | 91 | 95 | 4.3 | 70 - 130 | 30 | |
| 1,1-Dichloroethene | ND | 5.0 | 97 | 97 | 0.0 | 94 | 100 | 6.2 | 70 - 130 | 30 | |
| 1,1-Dichloropropene | ND | 5.0 | 98 | 96 | 2.1 | 93 | 102 | 9.2 | 70 - 130 | 30 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 96 | 97 | 1.0 | 93 | 81 | 13.8 | 70 - 130 | 30 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 95 | 94 | 1.1 | 86 | 96 | 11.0 | 70 - 130 | 30 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 96 | 97 | 1.0 | 88 | 85 | 3.5 | 70 - 130 | 30 | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 96 | 96 | 0.0 | 93 | 99 | 6.3 | 70 - 130 | 30 | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 102 | 100 | 2.0 | 83 | 96 | 14.5 | 70 - 130 | 30 | |
| 1,2-Dibromoethane | ND | 5.0 | 98 | 97 | 1.0 | 87 | 91 | 4.5 | 70 - 130 | 30 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 98 | 100 | 2.0 | 94 | 100 | 6.2 | 70 - 130 | 30 | |
| 1,2-Dichloroethane | ND | 5.0 | 95 | 97 | 2.1 | 90 | 92 | 2.2 | 70 - 130 | 30 | |
| 1,2-Dichloropropane | ND | 5.0 | 97 | 97 | 0.0 | 93 | 96 | 3.2 | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 96 | 96 | 0.0 | 94 | 98 | 4.2 | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 98 | 99 | 1.0 | 92 | 102 | 10.3 | 70 - 130 | 30 | |
| 1,3-Dichloropropane | ND | 5.0 | 97 | 98 | 1.0 | 90 | 94 | 4.3 | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 97 | 98 | 1.0 | 92 | 102 | 10.3 | 70 - 130 | 30 | |
| 1,4-dioxane | ND | 100 | 122 | 109 | 11.3 | 133 | 117 | 12.8 | 70 - 130 | 30 | m |
| 2,2-Dichloropropane | ND | 5.0 | 99 | 97 | 2.0 | 88 | 97 | 9.7 | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 5.0 | 98 | 98 | 0.0 | 95 | 108 | 12.8 | 70 - 130 | 30 | |
| 2-Hexanone | ND | 25 | 115 | 112 | 2.6 | 97 | 160 | 49.0 | 70 - 130 | 30 | m,r |
| 2-Isopropyltoluene | ND | 5.0 | 102 | 102 | 0.0 | 97 | 98 | 1.0 | 70 - 130 | 30 | |
| 4-Chlorotoluene | ND | 5.0 | 96 | 98 | 2.1 | 93 | 105 | 12.1 | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | ND | 25 | 129 | 125 | 3.1 | 101 | 112 | 10.3 | 70 - 130 | 30 | |
| Acetone | ND | 10 | 97 | 94 | 3.1 | 76 | 84 | 10.0 | 70 - 130 | 30 | |
| Acrolein | ND | 25 | 109 | 108 | 0.9 | 82 | 83 | 1.2 | 70 - 130 | 30 | |
| Acrylonitrile | ND | 5.0 | 97 | 93 | 4.2 | 78 | 81 | 3.8 | 70 - 130 | 30 | |
| Benzene | ND | 1.0 | 102 | 102 | 0.0 | 99 | 104 | 4.9 | 70 - 130 | 30 | |
| Bromobenzene | ND | 5.0 | 98 | 99 | 1.0 | 93 | 103 | 10.2 | 70 - 130 | 30 | |
| Bromochloromethane | ND | 5.0 | 102 | 106 | 3.8 | 94 | 101 | 7.2 | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 5.0 | 98 | 100 | 2.0 | 92 | 95 | 3.2 | 70 - 130 | 30 | |
| Bromoform | ND | 5.0 | 101 | 102 | 1.0 | 83 | 86 | 3.6 | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GCH52471

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromomethane | ND | 5.0 | 121 | 125 | 3.3 | 129 | 138 | 6.7 | 70 - 130 | 30 | m |
| Carbon Disulfide | ND | 5.0 | 106 | 106 | 0.0 | 99 | 105 | 5.9 | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 5.0 | 94 | 93 | 1.1 | 87 | 94 | 7.7 | 70 - 130 | 30 | |
| Chlorobenzene | ND | 5.0 | 101 | 101 | 0.0 | 97 | 104 | 7.0 | 70 - 130 | 30 | |
| Chloroethane | ND | 5.0 | 100 | 103 | 3.0 | 102 | 113 | 10.2 | 70 - 130 | 30 | |
| Chloroform | ND | 5.0 | 98 | 98 | 0.0 | 92 | 109 | 16.9 | 70 - 130 | 30 | |
| Chloromethane | ND | 5.0 | 113 | 112 | 0.9 | 104 | 114 | 9.2 | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 106 | 106 | 0.0 | 147 | 86 | 52.4 | 70 - 130 | 30 | m,r |
| cis-1,3-Dichloropropene | ND | 5.0 | 96 | 96 | 0.0 | 88 | 91 | 3.4 | 70 - 130 | 30 | |
| Dibromochloromethane | ND | 3.0 | 105 | 106 | 0.9 | 93 | 96 | 3.2 | 70 - 130 | 30 | |
| Dibromomethane | ND | 5.0 | 97 | 97 | 0.0 | 88 | 91 | 3.4 | 70 - 130 | 30 | |
| Dichlorodifluoromethane | ND | 5.0 | 122 | 117 | 4.2 | 111 | 121 | 8.6 | 70 - 130 | 30 | |
| Ethylbenzene | ND | 1.0 | 101 | 100 | 1.0 | 98 | 105 | 6.9 | 70 - 130 | 30 | |
| Hexachlorobutadiene | ND | 5.0 | 97 | 95 | 2.1 | 73 | 59 | 21.2 | 70 - 130 | 30 | m |
| Isopropylbenzene | ND | 1.0 | 99 | 101 | 2.0 | 97 | 107 | 9.8 | 70 - 130 | 30 | |
| m&p-Xylene | ND | 2.0 | 101 | 100 | 1.0 | 97 | 103 | 6.0 | 70 - 130 | 30 | |
| Methyl ethyl ketone | ND | 5.0 | 121 | 118 | 2.5 | 96 | 98 | 2.1 | 70 - 130 | 30 | |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | 112 | 114 | 1.8 | 102 | 105 | 2.9 | 70 - 130 | 30 | |
| Methylene chloride | ND | 5.0 | 82 | 85 | 3.6 | 79 | 82 | 3.7 | 70 - 130 | 30 | |
| Naphthalene | ND | 5.0 | 100 | 99 | 1.0 | 87 | 87 | 0.0 | 70 - 130 | 30 | |
| n-Butylbenzene | ND | 1.0 | 98 | 96 | 2.1 | 91 | 91 | 0.0 | 70 - 130 | 30 | |
| n-Propylbenzene | ND | 1.0 | 99 | 100 | 1.0 | 95 | 105 | 10.0 | 70 - 130 | 30 | |
| o-Xylene | ND | 2.0 | 102 | 102 | 0.0 | 100 | 102 | 2.0 | 70 - 130 | 30 | |
| p-Isopropyltoluene | ND | 1.0 | 99 | 98 | 1.0 | 93 | 95 | 2.1 | 70 - 130 | 30 | |
| sec-Butylbenzene | ND | 1.0 | 105 | 103 | 1.9 | 98 | 101 | 3.0 | 70 - 130 | 30 | |
| Styrene | ND | 5.0 | 99 | 99 | 0.0 | 94 | 99 | 5.2 | 70 - 130 | 30 | |
| tert-butyl alcohol | ND | 100 | 115 | 111 | 3.5 | 125 | 124 | 0.8 | 70 - 130 | 30 | |
| tert-Butylbenzene | ND | 1.0 | 99 | 98 | 1.0 | 93 | 97 | 4.2 | 70 - 130 | 30 | |
| Tetrachloroethene | ND | 5.0 | 100 | 100 | 0.0 | NC | NC | NC | 70 - 130 | 30 | |
| Tetrahydrofuran (THF) | ND | 5.0 | 96 | 93 | 3.2 | 78 | 82 | 5.0 | 70 - 130 | 30 | |
| Toluene | ND | 1.0 | 103 | 101 | 2.0 | 101 | 102 | 1.0 | 70 - 130 | 30 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 101 | 100 | 1.0 | 98 | 105 | 6.9 | 70 - 130 | 30 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 94 | 94 | 0.0 | 82 | 86 | 4.8 | 70 - 130 | 30 | |
| trans-1,4-dichloro-2-butene | ND | 5.0 | 106 | 103 | 2.9 | 82 | 92 | 11.5 | 70 - 130 | 30 | |
| Trichloroethene | ND | 5.0 | 100 | 101 | 1.0 | 121 | 101 | 18.0 | 70 - 130 | 30 | |
| Trichlorofluoromethane | ND | 5.0 | 119 | 119 | 0.0 | 115 | 125 | 8.3 | 70 - 130 | 30 | |
| Trichlorotrifluoroethane | ND | 5.0 | 105 | 104 | 1.0 | 102 | 110 | 7.5 | 70 - 130 | 30 | |
| Vinyl chloride | ND | 5.0 | 116 | 115 | 0.9 | 109 | 117 | 7.1 | 70 - 130 | 30 | |
| % 1,2-dichlorobenzene-d4 | 101 | % | 100 | 101 | 1.0 | 98 | 99 | 1.0 | 70 - 130 | 30 | |
| % Bromofluorobenzene | 96 | % | 98 | 99 | 1.0 | 97 | 96 | 1.0 | 70 - 130 | 30 | |
| % Dibromofluoromethane | 99 | % | 97 | 99 | 2.0 | 94 | 95 | 1.1 | 70 - 130 | 30 | |
| % Toluene-d8 | 98 | % | 99 | 99 | 0.0 | 99 | 98 | 1.0 | 70 - 130 | 30 | |

QA/QC Batch 561718H (ug/kg), QC Sample No: CH52471 (CH52471 (50X) , CH52472 (50X) , CH52474 (50X) , CH52477 (50X) , CH52478 (50X) )

## Volatiles - Soil (High Level)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 98 | 97 | 1.0 | 91 | 90 | 1.1 | 70 - 130 | 30 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 92 | 91 | 1.1 | 86 | 88 | 2.3 | 70 - 130 | 30 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 99 | 99 | 0.0 | 96 | 93 | 3.2 | 70 - 130 | 30 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 95 | 96 | 1.0 | 95 | 92 | 3.2 | 70 - 130 | 30 | |
| 1,1-Dichloroethane | ND | 5.0 | 92 | 90 | 2.2 | 92 | 88 | 4.4 | 70 - 130 | 30 | |
| 1,1-Dichloroethene | ND | 5.0 | 92 | 91 | 1.1 | 91 | 87 | 4.5 | 70 - 130 | 30 | |
| 1,1-Dichloropropene | ND | 5.0 | 97 | 97 | 0.0 | 96 | 94 | 2.1 | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GCH52471

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichlorobenzene | ND | 5.0 | 104 | 102 | 1.9 | 104 | 100 | 3.9 | 70 - 130 | 30 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 89 | 91 | 2.2 | 91 | 89 | 2.2 | 70 - 130 | 30 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 107 | 104 | 2.8 | 107 | 100 | 6.8 | 70 - 130 | 30 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 99 | 98 | 1.0 | 97 | 94 | 3.1 | 70 - 130 | 30 | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 98 | 97 | 1.0 | 86 | 88 | 2.3 | 70 - 130 | 30 | |
| 1,2-Dibromoethane | ND | 5.0 | 95 | 93 | 2.1 | 93 | 91 | 2.2 | 70 - 130 | 30 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 102 | 101 | 1.0 | 101 | 97 | 4.0 | 70 - 130 | 30 | |
| 1,2-Dichloroethane | ND | 5.0 | 94 | 94 | 0.0 | 94 | 90 | 4.3 | 70 - 130 | 30 | |
| 1,2-Dichloropropane | ND | 5.0 | 96 | 96 | 0.0 | 95 | 92 | 3.2 | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 98 | 97 | 1.0 | 97 | 93 | 4.2 | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 103 | 102 | 1.0 | 100 | 97 | 3.0 | 70 - 130 | 30 | |
| 1,3-Dichloropropane | ND | 5.0 | 96 | 97 | 1.0 | 95 | 93 | 2.1 | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 102 | 101 | 1.0 | 100 | 96 | 4.1 | 70 - 130 | 30 | |
| 1,4-dioxane | ND | 100 | 102 | 100 | 2.0 | 102 | 101 | 1.0 | 70 - 130 | 30 | |
| 2,2-Dichloropropane | ND | 5.0 | 94 | 95 | 1.1 | 92 | 89 | 3.3 | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 5.0 | 101 | 101 | 0.0 | 99 | 96 | 3.1 | 70 - 130 | 30 | |
| 2-Hexanone | ND | 25 | 103 | 102 | 1.0 | 102 | 98 | 4.0 | 70 - 130 | 30 | |
| 2-Isopropyltoluene | ND | 5.0 | 105 | 103 | 1.9 | 103 | 99 | 4.0 | 70 - 130 | 30 | |
| 4-Chlorotoluene | ND | 5.0 | 100 | 100 | 0.0 | 98 | 94 | 4.2 | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | ND | 25 | 116 | 117 | 0.9 | 116 | 112 | 3.5 | 70 - 130 | 30 | |
| Acetone | ND | 10 | 73 | 71 | 2.8 | 75 | 73 | 2.7 | 70 - 130 | 30 | |
| Acrolein | ND | 25 | 99 | 101 | 2.0 | 101 | 97 | 4.0 | 70 - 130 | 30 | |
| Acrylonitrile | ND | 5.0 | 84 | 86 | 2.4 | 86 | 83 | 3.6 | 70 - 130 | 30 | |
| Benzene | ND | 5.0 | 102 | 103 | 1.0 | 101 | 99 | 2.0 | 70 - 130 | 30 | |
| Bromobenzene | ND | 5.0 | 99 | 99 | 0.0 | 97 | 94 | 3.1 | 70 - 130 | 30 | |
| Bromochloromethane | ND | 5.0 | 101 | 102 | 1.0 | 98 | 96 | 2.1 | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 5.0 | 96 | 97 | 1.0 | 91 | 91 | 0.0 | 70 - 130 | 30 | |
| Bromoform | ND | 5.0 | 92 | 93 | 1.1 | 80 | 81 | 1.2 | 70 - 130 | 30 | |
| Bromomethane | ND | 5.0 | 66 | 71 | 7.3 | 71 | 75 | 5.5 | 70 - 130 | 30 | l |
| Carbon Disulfide | ND | 5.0 | 99 | 98 | 1.0 | 98 | 96 | 2.1 | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 5.0 | 90 | 90 | 0.0 | 82 | 82 | 0.0 | 70 - 130 | 30 | |
| Chlorobenzene | ND | 5.0 | 102 | 102 | 0.0 | 102 | 99 | 3.0 | 70 - 130 | 30 | |
| Chloroethane | ND | 5.0 | 23 | 23 | 0.0 | 24 | 23 | 4.3 | 70 - 130 | 30 | l,m |
| Chloroform | ND | 5.0 | 96 | 96 | 0.0 | 92 | 89 | 3.3 | 70 - 130 | 30 | |
| Chloromethane | ND | 5.0 | 119 | 113 | 5.2 | 109 | 104 | 4.7 | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 99 | 104 | 4.9 | NC | NC | NC | 70 - 130 | 30 | |
| cis-1,3-Dichloropropene | ND | 5.0 | 95 | 95 | 0.0 | 91 | 90 | 1.1 | 70 - 130 | 30 | |
| Dibromochloromethane | ND | 3.0 | 101 | 100 | 1.0 | 92 | 91 | 1.1 | 70 - 130 | 30 | |
| Dibromomethane | ND | 5.0 | 93 | 95 | 2.1 | 94 | 90 | 4.3 | 70 - 130 | 30 | |
| Dichlorodifluoromethane | ND | 5.0 | 111 | 113 | 1.8 | 109 | 105 | 3.7 | 70 - 130 | 30 | |
| Ethylbenzene | ND | 5.0 | 103 | 102 | 1.0 | 103 | 98 | 5.0 | 70 - 130 | 30 | |
| Hexachlorobutadiene | ND | 5.0 | 102 | 101 | 1.0 | 103 | 98 | 5.0 | 70 - 130 | 30 | |
| Isopropylbenzene | ND | 5.0 | 100 | 100 | 0.0 | 99 | 96 | 3.1 | 70 - 130 | 30 | |
| m&p-Xylene | ND | 5.0 | 102 | 101 | 1.0 | 102 | 98 | 4.0 | 70 - 130 | 30 | |
| Methyl ethyl ketone | ND | 5.0 | 108 | 109 | 0.9 | 110 | 107 | 2.8 | 70 - 130 | 30 | |
| Methyl t-butyl ether (MTBE) | ND | 5.0 | 108 | 109 | 0.9 | 108 | 104 | 3.8 | 70 - 130 | 30 | |
| Methylene chloride | ND | 5.0 | 79 | 78 | 1.3 | 79 | 77 | 2.6 | 70 - 130 | 30 | |
| Naphthalene | ND | 5.0 | 101 | 100 | 1.0 | 102 | 98 | 4.0 | 70 - 130 | 30 | |
| n-Butylbenzene | ND | 5.0 | 102 | 100 | 2.0 | 101 | 96 | 5.1 | 70 - 130 | 30 | |
| n-Propylbenzene | ND | 5.0 | 101 | 101 | 0.0 | 100 | 96 | 4.1 | 70 - 130 | 30 | |
| o-Xylene | ND | 5.0 | 103 | 102 | 1.0 | 102 | 99 | 3.0 | 70 - 130 | 30 | |
| p-Isopropyltoluene | ND | 5.0 | 102 | 100 | 2.0 | 100 | 96 | 4.1 | 70 - 130 | 30 | |
| sec-Butylbenzene | ND | 5.0 | 106 | 105 | 0.9 | 105 | 101 | 3.9 | 70 - 130 | 30 | |

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Styrene | ND | 5.0 | 100 | 99 | 1.0 | 99 | 96 | 3.1 | 70 - 130 | 30 | |
| tert-butyl alcohol | ND | 100 | 95 | 95 | 0.0 | 99 | 94 | 5.2 | 70 - 130 | 30 | |
| tert-Butylbenzene | ND | 5.0 | 98 | 98 | 0.0 | 98 | 95 | 3.1 | 70 - 130 | 30 | |
| Tetrachloroethene | ND | 5.0 | 103 | 104 | 1.0 | NC | NC | NC | 70 - 130 | 30 | |
| Tetrahydrofuran (THF) | ND | 5.0 | 88 | 88 | 0.0 | 86 | 83 | 3.6 | 70 - 130 | 30 | |
| Toluene | ND | 5.0 | 102 | 102 | 0.0 | 102 | 99 | 3.0 | 70 - 130 | 30 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 99 | 99 | 0.0 | 101 | 95 | 6.1 | 70 - 130 | 30 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 91 | 91 | 0.0 | 86 | 85 | 1.2 | 70 - 130 | 30 | |
| trans-1,4-dichloro-2-butene | ND | 5.0 | 98 | 98 | 0.0 | 90 | 87 | 3.4 | 70 - 130 | 30 | |
| Trichloroethene | ND | 5.0 | 100 | 101 | 1.0 | <10 | <10 | NC | 70 - 130 | 30 | m |
| Trichlorofluoromethane | ND | 5.0 | 29 | 29 | 0.0 | 30 | 29 | 3.4 | 70 - 130 | 30 | l,m |
| Trichlorotrifluoroethane | ND | 5.0 | 102 | 103 | 1.0 | 103 | 102 | 1.0 | 70 - 130 | 30 | |
| Vinyl chloride | ND | 5.0 | 112 | 112 | 0.0 | 111 | 107 | 3.7 | 70 - 130 | 30 | |
| % 1,2-dichlorobenzene-d4 | 99 | % | 101 | 100 | 1.0 | 100 | 100 | 0.0 | 70 - 130 | 30 | |
| % Bromofluorobenzene | 96 | % | 98 | 97 | 1.0 | 99 | 97 | 2.0 | 70 - 130 | 30 | |
| % Dibromofluoromethane | 98 | % | 97 | 97 | 0.0 | 95 | 93 | 2.1 | 70 - 130 | 30 | |
| % Toluene-d8 | 98 | % | 98 | 99 | 1.0 | 99 | 99 | 0.0 | 70 - 130 | 30 | |
| QA/QC Batch 561844 (ug/kg), QC Sample No: CH52734 (CH52472, CH52477) | | | | | | | | | | | |
| **Volatiles - Soil (Low Level)** | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 93 | 90 | 3.3 | | | | 70 - 130 | 30 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 87 | 86 | 1.2 | | | | 70 - 130 | 30 | |
| 1,1,2,2-Tetrachloroethane | ND | 3.0 | 91 | 87 | 4.5 | | | | 70 - 130 | 30 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 94 | 89 | 5.5 | | | | 70 - 130 | 30 | |
| 1,1-Dichloroethane | ND | 5.0 | 87 | 84 | 3.5 | | | | 70 - 130 | 30 | |
| 1,1-Dichloroethene | ND | 5.0 | 91 | 88 | 3.4 | | | | 70 - 130 | 30 | |
| 1,1-Dichloropropene | ND | 5.0 | 92 | 90 | 2.2 | | | | 70 - 130 | 30 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 95 | 88 | 7.7 | | | | 70 - 130 | 30 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 88 | 81 | 8.3 | | | | 70 - 130 | 30 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 96 | 88 | 8.7 | | | | 70 - 130 | 30 | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 92 | 86 | 6.7 | | | | 70 - 130 | 30 | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 86 | 83 | 3.6 | | | | 70 - 130 | 30 | |
| 1,2-Dibromoethane | ND | 5.0 | 91 | 87 | 4.5 | | | | 70 - 130 | 30 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 95 | 89 | 6.5 | | | | 70 - 130 | 30 | |
| 1,2-Dichloroethane | ND | 5.0 | 90 | 85 | 5.7 | | | | 70 - 130 | 30 | |
| 1,2-Dichloropropane | ND | 5.0 | 93 | 88 | 5.5 | | | | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 91 | 86 | 5.6 | | | | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 95 | 88 | 7.7 | | | | 70 - 130 | 30 | |
| 1,3-Dichloropropane | ND | 5.0 | 91 | 87 | 4.5 | | | | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 94 | 89 | 5.5 | | | | 70 - 130 | 30 | |
| 2,2-Dichloropropane | ND | 5.0 | 90 | 89 | 1.1 | | | | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 5.0 | 94 | 90 | 4.3 | | | | 70 - 130 | 30 | |
| 2-Hexanone | ND | 25 | 101 | 96 | 5.1 | | | | 70 - 130 | 30 | |
| 2-Isopropyltoluene | ND | 5.0 | 97 | 92 | 5.3 | | | | 70 - 130 | 30 | |
| 4-Chlorotoluene | ND | 5.0 | 93 | 88 | 5.5 | | | | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | ND | 25 | 113 | 110 | 2.7 | | | | 70 - 130 | 30 | |
| Acetone | ND | 10 | 85 | 81 | 4.8 | | | | 70 - 130 | 30 | |
| Acrolein | ND | 25 | 98 | 93 | 5.2 | | | | 70 - 130 | 30 | |
| Acrylonitrile | ND | 5.0 | 83 | 81 | 2.4 | | | | 70 - 130 | 30 | |
| Benzene | ND | 1.0 | 97 | 94 | 3.1 | | | | 70 - 130 | 30 | |
| Bromobenzene | ND | 5.0 | 93 | 88 | 5.5 | | | | 70 - 130 | 30 | |
| Bromochloromethane | ND | 5.0 | 96 | 93 | 3.2 | | | | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 5.0 | 95 | 90 | 5.4 | | | | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GCH52471

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromoform | ND | 5.0 | 94 | 90 | 4.3 | | | | 70 - 130 | 30 |
| Bromomethane | ND | 5.0 | 111 | 109 | 1.8 | | | | 70 - 130 | 30 |
| Carbon Disulfide | ND | 5.0 | 97 | 94 | 3.1 | | | | 70 - 130 | 30 |
| Carbon tetrachloride | ND | 5.0 | 87 | 86 | 1.2 | | | | 70 - 130 | 30 |
| Chlorobenzene | ND | 5.0 | 97 | 91 | 6.4 | | | | 70 - 130 | 30 |
| Chloroethane | ND | 5.0 | 91 | 88 | 3.4 | | | | 70 - 130 | 30 |
| Chloroform | ND | 5.0 | 91 | 88 | 3.4 | | | | 70 - 130 | 30 |
| Chloromethane | ND | 5.0 | 104 | 103 | 1.0 | | | | 70 - 130 | 30 |
| cis-1,3-Dichloropropene | ND | 5.0 | 92 | 88 | 4.4 | | | | 70 - 130 | 30 |
| Dibromochloromethane | ND | 3.0 | 99 | 93 | 6.3 | | | | 70 - 130 | 30 |
| Dibromomethane | ND | 5.0 | 91 | 89 | 2.2 | | | | 70 - 130 | 30 |
| Dichlorodifluoromethane | ND | 5.0 | 107 | 106 | 0.9 | | | | 70 - 130 | 30 |
| Ethylbenzene | ND | 1.0 | 96 | 92 | 4.3 | | | | 70 - 130 | 30 |
| Hexachlorobutadiene | ND | 5.0 | 91 | 87 | 4.5 | | | | 70 - 130 | 30 |
| Isopropylbenzene | ND | 1.0 | 93 | 89 | 4.4 | | | | 70 - 130 | 30 |
| m&p-Xylene | ND | 2.0 | 95 | 92 | 3.2 | | | | 70 - 130 | 30 |
| Methyl ethyl ketone | ND | 5.0 | 103 | 106 | 2.9 | | | | 70 - 130 | 30 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | 106 | 99 | 6.8 | | | | 70 - 130 | 30 |
| Methylene chloride | ND | 5.0 | 77 | 72 | 6.7 | | | | 70 - 130 | 30 |
| Naphthalene | ND | 5.0 | 93 | 87 | 6.7 | | | | 70 - 130 | 30 |
| n-Butylbenzene | ND | 1.0 | 94 | 89 | 5.5 | | | | 70 - 130 | 30 |
| n-Propylbenzene | ND | 1.0 | 93 | 90 | 3.3 | | | | 70 - 130 | 30 |
| o-Xylene | ND | 2.0 | 97 | 92 | 5.3 | | | | 70 - 130 | 30 |
| p-Isopropyltoluene | ND | 1.0 | 94 | 89 | 5.5 | | | | 70 - 130 | 30 |
| sec-Butylbenzene | ND | 1.0 | 98 | 94 | 4.2 | | | | 70 - 130 | 30 |
| Styrene | ND | 5.0 | 95 | 90 | 5.4 | | | | 70 - 130 | 30 |
| tert-butyl alcohol | ND | 100 | 97 | 91 | 6.4 | | | | 70 - 130 | 30 |
| tert-Butylbenzene | ND | 1.0 | 92 | 88 | 4.4 | | | | 70 - 130 | 30 |
| Tetrahydrofuran (THF) | ND | 5.0 | 83 | 82 | 1.2 | | | | 70 - 130 | 30 |
| Toluene | ND | 1.0 | 98 | 95 | 3.1 | | | | 70 - 130 | 30 |
| trans-1,2-Dichloroethene | ND | 5.0 | 96 | 92 | 4.3 | | | | 70 - 130 | 30 |
| trans-1,3-Dichloropropene | ND | 5.0 | 88 | 84 | 4.7 | | | | 70 - 130 | 30 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | 93 | 87 | 6.7 | | | | 70 - 130 | 30 |
| Trichloroethene | ND | 5.0 | 97 | 93 | 4.2 | | | | 70 - 130 | 30 |
| Trichlorofluoromethane | ND | 5.0 | 108 | 106 | 1.9 | | | | 70 - 130 | 30 |
| Trichlorotrifluoroethane | ND | 5.0 | 99 | 95 | 4.1 | | | | 70 - 130 | 30 |
| Vinyl chloride | ND | 5.0 | 106 | 103 | 2.9 | | | | 70 - 130 | 30 |
| % 1,2-dichlorobenzene-d4 | 100 | % | 99 | 100 | 1.0 | | | | 70 - 130 | 30 |
| % Bromofluorobenzene | 97 | % | 98 | 99 | 1.0 | | | | 70 - 130 | 30 |
| % Dibromofluoromethane | 98 | % | 95 | 97 | 2.1 | | | | 70 - 130 | 30 |
| % Toluene-d8 | 99 | % | 99 | 99 | 0.0 | | | | 70 - 130 | 30 |

Comment:

The Low Level MS/MSD are not reported for this batch.

QA/QC Batch 561844H (ug/kg), QC Sample No: CH52734 (CH52473 (50X) , CH52476 (50X) )

## Volatiles - Soil (High Level)

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | ND | 5.0 | 102 | 99 | 3.0 | 90 | 91 | 1.1 | 70 - 130 | 30 |
| Tetrachloroethene | ND | 5.0 | 102 | 101 | 1.0 | 111 | 112 | 0.9 | 70 - 130 | 30 |
| % 1,2-dichlorobenzene-d4 | 100 | % | 100 | 100 | 0.0 | 100 | 100 | 0.0 | 70 - 130 | 30 |
| % Bromofluorobenzene | 97 | % | 99 | 98 | 1.0 | 98 | 97 | 1.0 | 70 - 130 | 30 |
| % Dibromofluoromethane | 95 | % | 92 | 95 | 3.2 | 93 | 94 | 1.1 | 70 - 130 | 30 |
| % Toluene-d8 | 98 | % | 99 | 99 | 0.0 | 98 | 99 | 1.0 | 70 - 130 | 30 |

# QA/QC Data

SDG I.D.: GCH52471

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
February 16, 2021

Tuesday, February 16, 2021

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

# Sample Criteria Exceedances Report

## GCH52471 - EBC

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| CH52474 | $8260MADPR | Vinyl chloride | NY / 375-6.8 Volatiles / Ground Water Protection | ND | 33 | 20 | 20 | ug/Kg |
| CH52474 | $8260MADPR | Methylene chloride | NY / 375-6.8 Volatiles / Ground Water Protection | ND | 130 | 50 | 50 | ug/Kg |
| CH52474 | $8260MADPR | Methyl Ethyl Ketone | NY / 375-6.8 Volatiles / Ground Water Protection | ND | 130 | 120 | 120 | ug/Kg |
| CH52474 | $8260MADPR | Acetone | NY / 375-6.8 Volatiles / Ground Water Protection | ND | 330 | 50 | 50 | ug/Kg |
| CH52474 | $8260MADPR | 1,2-Dichloroethane | NY / 375-6.8 Volatiles / Ground Water Protection | ND | 33 | 20 | 20 | ug/Kg |
| CH52474 | $8260MADPR | Vinyl chloride | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 33 | 20 | 20 | ug/Kg |
| CH52474 | $8260MADPR | Methylene chloride | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 130 | 50 | 50 | ug/Kg |
| CH52474 | $8260MADPR | Methyl Ethyl Ketone | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 130 | 120 | 120 | ug/Kg |
| CH52474 | $8260MADPR | Acetone | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 330 | 50 | 50 | ug/Kg |
| CH52474 | $8260MADPR | 1,2-Dichloroethane | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 33 | 20 | 20 | ug/Kg |

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

**Environmental Laboratories, Inc.**
**587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045**
**Tel. (860) 645-1102 Fax (860) 645-0823**

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# NY Temperature Narration

**February 16, 2021**

**SDG I.D.: GCH52471**

The samples in this delivery group were received at 1.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 1.1 °C Pg 1 of 1

# PHOENIX
*Environmental Laboratories, Inc.*

## NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
**Client Services (860) 645-8726**

**Contact Options:**
[ ] Fax:
[ ] Phone: 631-504-6000
[X] Email: S.lc

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 480 Flushing Ave, BK
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

***This section MUST be completed with Bottle Quantities.***

**Client Sample - Information - Identification**

Sampler's Signature: Anthony BALDO Date: 1-25-21

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**RW**=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
**OIL**=Oil **B**=Bulk **L**=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260C/5035 | 1,4-Dioxane 8270 | Soil VOA Vials [X] methanol [X] H2O | GL Soil container ( 8 ) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] As is [ ] HCl | GL Amber 1000ml [ ] As is [ ] H2SO4 | PL As is [ ] 250ml [ ] 500ml [ ] 1000ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52471 | SB20-01 (20-25) | S | 1/25 | 1:22 | X | X | 9 | 3 | | | | | | | | |
| 52472 | SB20-01 (25-30) | S | 1/25 | 1:32 | X | X | 3 | 1 | | | | | | | | |
| 52473 | SB20-01 (30-35) | S | 1/25 | 1:42 | X | X | 3 | 1 | | | | | | | | |
| 52474 | SB20-02 (20-25) | S | 1/25 | 2:27 | X | X | 3 | 1 | | | | | | | | |
| 52475 | SB20-02 (25-30) | S | 1/25 | 2:31 | X | X | 3 | 1 | | | | | | | | |
| 52476 | SB20-02 (30-35) | S | 1/25 | 2:45 | X | X | 3 | 1 | | | | | | | | |
| 52477 | Soil Duplicate 1/25 | S | 1/25 | — | X | X | 3 | 1 | | | | | | | | |
| 52478 | TB LL | S | — | — | X | | 1 | | | | | | | | | |
| 52479 | TB LL | S | — | — | X | | 2 | | | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| | | 1-26-21 | 11:10 |
| | Krystal Hauk | 1-26-21 | 14:00 |
| | | | |

**Comments, Special Requirements or Regulations:**
MS/MSD for SB20-01 (20-25)

**Turnaround:**
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

**NJ**
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

**NY**
[ ] NY 375 GWP
[X] NY375 Unrestricted Use Soil
[X] NY375 Residential Soil
[X] Restricted/Residential
[ ] Commercial
[ ] Industrial

**Data Format**
[ ] Phoenix Std Report
[X] Excel
[X] PDF
[ ] GIS/Key
[X] EQuIS
[ ] NJ Hazsite EDD
[X] NY EZ EDD (ASP)
[ ] Other

**Data Package**
[ ] NJ Reduced Deliv. *
[X] NY Enhanced (ASP B) *
[ ] Other

**State where samples were collected:** NY

PEL 164 REV. 5/2020

**Wednesday, February 24, 2021**

**Attn: Mr. Charles B. Sosik, P.G.**
**Environmental Business Consultants**
**1808 Middle Country Rd**
**Ridge NY 11961-2406**

**Project ID:** **480 FLUSHING AVE BK**
**SDG ID:** **GCH64711**
**Sample ID#s: CH64711 - CH64725**

**This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.**

**This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.**

**A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.**

**If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.**

**Sincerely yours,**

**Phyllis Shiller**
**Laboratory Director**

**NELAC - #NY11301**
**CT Lab Registration #PH-0618**
**MA Lab Registration #M-CT007**
**ME Lab Registration #CT-007**
**NH Lab Registration #213693-A,B**
**NJ Lab Registration #CT-003**
**NY Lab Registration #11301**
**PA Lab Registration #68-03530**
**RI Lab Registration #63**
**UT Lab Registration #CT00007**
**VT Lab Registration #VT11301**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

# SDG Comments

February 24, 2021

SDG I.D.: GCH64711

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8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Sample Id Cross Reference

February 24, 2021

SDG I.D.: GCH64711

Project ID: 480 FLUSHING AVE BK

| Client Id | Lab Id | Matrix |
|---|---|---|
| CW1-S | CH64711 | GROUND WATER |
| CW1-I | CH64712 | GROUND WATER |
| CW1-D | CH64713 | GROUND WATER |
| CW2-S | CH64714 | GROUND WATER |
| CW2-I | CH64715 | GROUND WATER |
| CW2-D | CH64716 | GROUND WATER |
| CW3-S | CH64717 | GROUND WATER |
| CW3-I | CH64718 | GROUND WATER |
| CW3-D | CH64719 | GROUND WATER |
| CW4-S | CH64720 | GROUND WATER |
| CW4-I | CH64721 | GROUND WATER |
| CW4-D | CH64722 | GROUND WATER |
| MW DUPLICATE (2/16) | CH64723 | GROUND WATER |
| MW DUPLICATE (2/17) | CH64724 | GROUND WATER |
| TRIP BLANK | CH64725 | GROUND WATER |

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/16/21 | 10:25 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64711

Project ID: 480 FLUSHING AVE BK
Client ID: CW1-S

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 2.1 | J | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloroethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloroethene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW1-S

Phoenix I.D.: CH64711

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrolein | ND | | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrylonitrile | ND | | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Benzene | ND | | 0.70 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromodichloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromoform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromomethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Carbon Disulfide | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chlorobenzene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloroethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloroform | 3.9 | J | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloromethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 5.6 | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dibromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dibromomethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Ethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 0.50 | 0.20 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Isopropylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| m&p-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methylene chloride | ND | | 3.0 | 1.0 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Naphthalene | ND | | 1.0 | 1.0 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| n-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| n-Propylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| o-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Styrene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Tetrachloroethene | 74 | | 5.0 | 1.3 | ug/L | 5 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | 1 |
| Toluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichloroethene | 27 | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | 0.50 | J | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Vinyl chloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 98 | | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 104 | | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW1-S

Phoenix I.D.: CH64711

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 100 | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (5x) | 101 | | | % | 5 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (5x) | 96 | | | % | 5 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (5x) | 99 | | | % | 5 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (5x) | 98 | | | % | 5 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 80 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

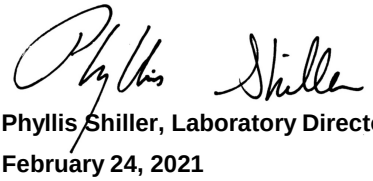
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**February 24, 2021**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/16/21 | 8:45 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64712

Project ID: 480 FLUSHING AVE BK
Client ID: CW1-I

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 1.5 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethane | 0.43 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 0.67 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW1-I

Phoenix I.D.: CH64712

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Benzene | ND | | 0.70 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromodichloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromoform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromomethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon Disulfide | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chlorobenzene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloromethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 170 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromomethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Ethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 0.50 | 0.20 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Isopropylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| m&p-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methylene chloride | ND | | 3.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Naphthalene | ND | | 1.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Propylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| o-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Styrene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tetrachloroethene | 100 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| Toluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | 0.54 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichloroethene | 30 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Vinyl chloride | 0.29 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 98 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 97 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 95 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: CW1-I

Phoenix I.D.: CH64712

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 99 | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (10x) | 102 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (10x) | 98 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (10x) | 104 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (10x) | 98 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Client MS/MSD | Completed | | | | | 02/22/21 | | | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 80 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

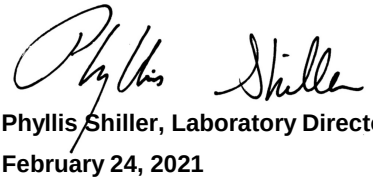
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**February 24, 2021**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/16/21 | 9:42 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64713

Project ID: 480 FLUSHING AVE BK
Client ID: CW1-D

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 5.9 | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloroethane | 0.68 | J | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 0.32 | J | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW1-D

Phoenix I.D.: CH64713

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Benzene | ND | 0.70 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromobenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromochloromethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromodichloromethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromoform | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromomethane | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Carbon Disulfide | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chlorobenzene | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloroethane | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloroform | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloromethane | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 34 | 5.0 | 1.3 | ug/L | 5 | 02/19/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | 0.40 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dibromochloromethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dibromomethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Ethylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | 0.50 | 0.20 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Isopropylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| m&p-Xylene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methylene chloride | ND | 3.0 | 1.0 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Naphthalene | ND | 1.0 | 1.0 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| n-Butylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| n-Propylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| o-Xylene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Styrene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Tetrachloroethene | 34 | 5.0 | 1.3 | ug/L | 5 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | 1 |
| Toluene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | 0.40 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichloroethene | 11 | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Vinyl chloride | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 97 | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 97 | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: CW1-D

Phoenix I.D.: CH64713

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 99 | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (5x) | 99 | | | % | 5 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (5x) | 95 | | | % | 5 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (5x) | 93 | | | % | 5 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (5x) | 97 | | | % | 5 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | 0.21 | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 74 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

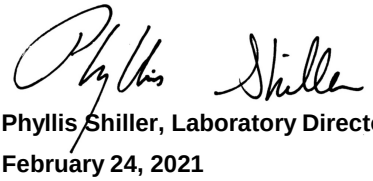
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**February 24, 2021**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/16/21 | 13:45 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64714

Project ID: 480 FLUSHING AVE BK
Client ID: CW2-S

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 1.6 | J | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloroethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloroethene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | 0.42 | J | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | 0.26 | J | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW2-S

Phoenix I.D.: CH64714

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 9.7 | S | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrolein | ND | | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrylonitrile | ND | | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Benzene | ND | | 0.70 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromodichloromethane | 0.41 | J | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromoform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromomethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Carbon Disulfide | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chlorobenzene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloroethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloroform | 30 | | 7.0 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| Chloromethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 4.7 | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dibromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dibromomethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Ethylbenzene | 0.46 | J | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 0.50 | 0.20 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Isopropylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| m&p-Xylene | 1.1 | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methylene chloride | ND | | 3.0 | 1.0 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Naphthalene | 130 | | 10 | 10 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| n-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| n-Propylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| o-Xylene | 0.79 | J | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Styrene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Tetrachloroethene | 76 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | 1 |
| Toluene | 1.1 | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichloroethene | 11 | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | 1.5 | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Vinyl chloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 98 | | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 101 | | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: CW2-S

Phoenix I.D.: CH64714

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 99 | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (10x) | 100 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (10x) | 96 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (10x) | 95 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (10x) | 97 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | 0.73 | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 81 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

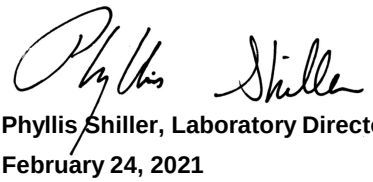
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**
**February 24, 2021**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/16/21 | 13:10 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64715

Project ID: 480 FLUSHING AVE BK
Client ID: CW2-I

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 1.6 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethane | 0.63 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 0.70 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW2-I

Phoenix I.D.: CH64715

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Benzene | ND | | 0.70 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromodichloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromoform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromomethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon Disulfide | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chlorobenzene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroform | 1.7 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloromethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 190 | | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromomethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Ethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 0.50 | 0.20 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Isopropylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| m&p-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methylene chloride | ND | | 3.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Naphthalene | ND | | 1.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Propylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| o-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Styrene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tetrachloroethene | 220 | | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| Toluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | 0.53 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichloroethene | 36 | | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Vinyl chloride | 0.72 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 98 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 95 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 96 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: CW2-I

Phoenix I.D.: CH64715

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 101 | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (20x) | 99 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (20x) | 94 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (20x) | 95 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (20x) | 98 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 80 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**February 24, 2021**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/16/21 | 12:45 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64716

Project ID: 480 FLUSHING AVE BK
Client ID: CW2-D

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 21 | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethane | 2.9 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 1.1 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW2-D

Phoenix I.D.: CH64716

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Benzene | ND | | 0.70 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromodichloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromoform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromomethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon Disulfide | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chlorobenzene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroform | 1.2 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloromethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 110 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromomethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Ethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 0.50 | 0.20 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Isopropylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| m&p-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methylene chloride | ND | | 3.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Naphthalene | ND | | 1.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Propylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| o-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Styrene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tetrachloroethene | 140 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| Toluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | 0.30 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichloroethene | 27 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Vinyl chloride | 0.32 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 95 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 95 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: CW2-D

Phoenix I.D.: CH64716

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 99 | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (10x) | 100 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (10x) | 95 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (10x) | 97 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (10x) | 97 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 83 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

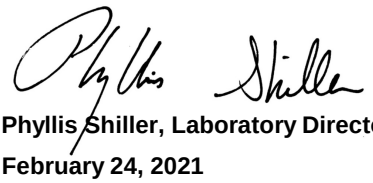
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**February 24, 2021**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/17/21 | 10:22 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64717

Project ID: 480 FLUSHING AVE BK
Client ID: CW3-S

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 27 | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethane | 1.8 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 0.74 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW3-S

Phoenix I.D.: CH64717

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 20 | S | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Benzene | ND | | 0.70 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromodichloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromoform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromomethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon Disulfide | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chlorobenzene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroform | 2.2 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloromethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 51 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromomethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Ethylbenzene | 6.3 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 0.50 | 0.20 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Isopropylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| m&p-Xylene | 22 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methylene chloride | ND | | 3.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Naphthalene | ND | | 1.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Propylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| o-Xylene | 6.7 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Styrene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tetrachloroethene | 92 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| Toluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | 0.32 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichloroethene | 24 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | 0.86 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Vinyl chloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 96 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 100 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW3-S

Phoenix I.D.: CH64717

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 100 | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (10x) | 100 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (10x) | 96 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (10x) | 97 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (10x) | 97 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | 0.51 | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 80 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

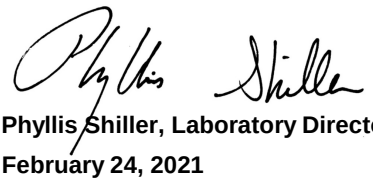
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**
**February 24, 2021**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/17/21 | 11:01 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64718

Project ID: 480 FLUSHING AVE BK
Client ID: CW3-I

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 290 | 100 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 18 | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 10 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | 10 | 10 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 2-Hexanone | ND | 50 | 50 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | 50 | 50 | ug/L | 20 | 02/19/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW3-I

Phoenix I.D.: CH64718

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 50 | 50 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | 50 | 50 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | 10 | 10 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Benzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Bromobenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Bromochloromethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Bromodichloromethane | ND | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Bromoform | ND | 50 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Bromomethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Carbon Disulfide | ND | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Chlorobenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Chloroethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Chloroform | ND | 7.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Chloromethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 25 | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Dibromochloromethane | ND | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Dibromomethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Ethylbenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | 4.0 | 4.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Isopropylbenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| m&p-Xylene | ND | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | 50 | 50 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Methylene chloride | ND | 10 | 10 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Naphthalene | ND | 10 | 10 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| n-Butylbenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| n-Propylbenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| o-Xylene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Styrene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Tetrachloroethene | 7300 | 500 | 130 | ug/L | 500 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | 50 | 50 | ug/L | 20 | 02/19/21 | MH | SW8260C | 1 |
| Toluene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | 50 | 50 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Trichloroethene | 45 | 20 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Vinyl chloride | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 (20x) | 100 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (20x) | 96 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (20x) | 100 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: CW3-I

Phoenix I.D.: CH64718

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 (20x) | 98 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (500x) | 98 | | | % | 500 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (500x) | 95 | | | % | 500 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (500x) | 99 | | | % | 500 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (500x) | 97 | | | % | 500 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | 50 | 50 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 1000 | 200 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | 3.1 | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 79 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**February 24, 2021**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/17/21 | 11:41 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64719

Project ID: 480 FLUSHING AVE BK
Client ID: CW3-D

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 3.0 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 0.53 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW3-D

Phoenix I.D.: CH64719

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Benzene | ND | | 0.70 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromodichloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromoform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromomethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon Disulfide | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chlorobenzene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroform | 0.72 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloromethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 3.7 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromomethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Ethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 0.50 | 0.20 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Isopropylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| m&p-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methylene chloride | ND | | 3.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Naphthalene | ND | | 1.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Propylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| o-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Styrene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tetrachloroethene | 200 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| Toluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | 0.43 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichloroethene | 24 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Vinyl chloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 98 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 96 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 99 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: CW3-D

Phoenix I.D.: CH64719

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 99 | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (10x) | 98 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (10x) | 96 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (10x) | 96 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (10x) | 96 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | 0.20 | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 79 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

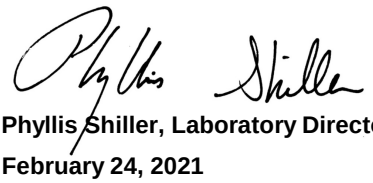
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**February 24, 2021**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/17/21 | 7:57 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64720

Project ID: 480 FLUSHING AVE BK
Client ID: CW4-S

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 280 | | 100 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethane | 71 | | 5.0 | 5.0 | ug/L | 20 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 4.2 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | 0.32 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW4-S

Phoenix I.D.: CH64720

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Benzene | ND | | 0.70 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromodichloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromoform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromomethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon Disulfide | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chlorobenzene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroethane | 2.7 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroform | 6.4 | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloromethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 28 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromomethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Ethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 0.50 | 0.20 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Isopropylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| m&p-Xylene | 0.44 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methylene chloride | 1.3 | JS | 3.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Naphthalene | ND | | 1.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Propylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| o-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Styrene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tetrachloroethene | 18 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| Toluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | 0.86 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichloroethene | 23 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | 3.0 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Vinyl chloride | 22 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 96 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 92 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: CW4-S

Phoenix I.D.: CH64720

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 101 | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (20x) | 99 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (20x) | 96 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (20x) | 99 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (20x) | 97 | | | % | 20 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | 3.1 | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 85 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

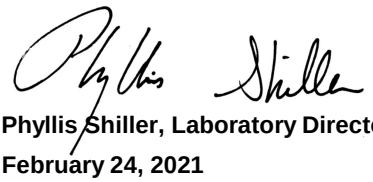
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**
**February 24, 2021**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/17/21 | 8:50 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64721

Project ID: 480 FLUSHING AVE BK
Client ID: CW4-I

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 29 | | 5.0 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethane | 16 | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 14 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | 0.64 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW4-I

Phoenix I.D.: CH64721

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Benzene | ND | | 0.70 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromodichloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromoform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromomethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon Disulfide | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chlorobenzene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroethane | 0.41 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroform | 1.7 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloromethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 260 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromomethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Ethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 0.50 | 0.20 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Isopropylbenzene | 0.28 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| m&p-Xylene | 0.26 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methylene chloride | ND | | 3.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Naphthalene | ND | | 1.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Propylbenzene | 0.28 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| o-Xylene | 0.29 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| sec-Butylbenzene | 0.41 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Styrene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tetrachloroethene | 28 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| Toluene | 0.82 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | 1.3 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichloroethene | 57 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | 0.74 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Vinyl chloride | 200 | | 10 | 2.5 | ug/L | 10 | 02/19/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 103 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 98 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: CW4-I

Phoenix I.D.: CH64721

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 103 | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (10x) | 100 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (10x) | 96 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (10x) | 98 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (10x) | 97 | | | % | 10 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | 5.9 | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 86 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

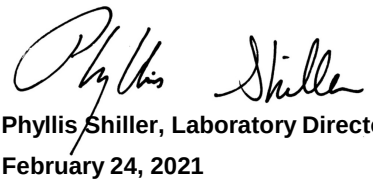
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**February 24, 2021**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/17/21 | 9:27 |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64722

Project ID: 480 FLUSHING AVE BK
Client ID: CW4-D

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 96 | 50 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1-Dichloroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 7.6 | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 5.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | 4.7 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | 5.0 | 5.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | 3.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 2-Hexanone | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: CW4-D

Phoenix I.D.: CH64722

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 50 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Acrolein | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 5.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Benzene | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Bromobenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Bromochloromethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Bromodichloromethane | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Bromoform | ND | 50 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Bromomethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Carbon Disulfide | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Chlorobenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Chloroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Chloroform | ND | 7.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Chloromethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 21 | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Dibromochloromethane | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Dibromomethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Ethylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | 2.0 | 2.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Isopropylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| m&p-Xylene | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Methylene chloride | ND | 5.0 | 5.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Naphthalene | ND | 5.0 | 5.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| n-Butylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| n-Propylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| o-Xylene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Styrene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Tetrachloroethene | 1400 | 100 | 25 | ug/L | 100 | 02/19/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | 50 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | 1 |
| Toluene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Trichloroethene | 63 | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Vinyl chloride | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 (10x) | 99 | | | % | 10 | 02/20/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (10x) | 95 | | | % | 10 | 02/20/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (10x) | 94 | | | % | 10 | 02/20/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: CW4-D

Phoenix I.D.: CH64722

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 (10x) | 96 | | | % | 10 | 02/20/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (100x) | 101 | | | % | 100 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (100x) | 96 | | | % | 100 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (100x) | 99 | | | % | 100 | 02/19/21 | MH | 70 - 130 % | |
| % Toluene-d8 (100x) | 96 | | | % | 100 | 02/19/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Acrolein | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 500 | 100 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | 0.78 | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 74 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**
**February 24, 2021**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/16/21 | |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64723

Project ID: 480 FLUSHING AVE BK
Client ID: MW DUPLICATE (2/16)

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 270 | | 100 | 5.0 | ug/L | 20 | 02/20/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloroethane | 73 | | 25 | 1.3 | ug/L | 5 | 02/20/21 | MH | SW8260C | |
| 1,1-Dichloroethene | 4.4 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 0.50 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 0.25 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | 0.34 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 0.60 | 0.50 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Hexanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: MW DUPLICATE (2/16)

Phoenix I.D.: CH64723

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Benzene | ND | | 0.70 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromobenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromodichloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromoform | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Bromomethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon Disulfide | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chlorobenzene | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroethane | 2.8 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloroform | 6.2 | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Chloromethane | ND | | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 27 | | 5.0 | 1.3 | ug/L | 5 | 02/20/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromochloromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dibromomethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Ethylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 0.50 | 0.20 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Isopropylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| m&p-Xylene | 0.42 | J | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Methylene chloride | 1.3 | JS | 3.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Naphthalene | ND | | 1.0 | 1.0 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| n-Propylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| o-Xylene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Styrene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tetrachloroethene | 15 | | 5.0 | 1.3 | ug/L | 5 | 02/20/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | 1 |
| Toluene | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | 0.88 | J | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 0.40 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 2.5 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichloroethene | 24 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | 3.0 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Vinyl chloride | 25 | | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 96 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 90 | | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: MW DUPLICATE (2/16)

Phoenix I.D.: CH64723

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 101 | | | % | 1 | 02/19/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (5x) | 99 | | | % | 5 | 02/20/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (5x) | 96 | | | % | 5 | 02/20/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (5x) | 95 | | | % | 5 | 02/20/21 | MH | 70 - 130 % | |
| % Toluene-d8 (5x) | 97 | | | % | 5 | 02/20/21 | MH | 70 - 130 % | |
| % 1,2-dichlorobenzene-d4 (20x) | 100 | | | % | 20 | 02/20/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (20x) | 95 | | | % | 20 | 02/20/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (20x) | 100 | | | % | 20 | 02/20/21 | MH | 70 - 130 % | |
| % Toluene-d8 (20x) | 96 | | | % | 20 | 02/20/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/19/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | 4.1 | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 82 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**February 24, 2021**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/17/21 | |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64724

Project ID: 480 FLUSHING AVE BK
Client ID: MW DUPLICATE (2/17)

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | 6.1 | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1-Dichloroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1-Dichloroethene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 5.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | 4.7 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | 5.0 | 5.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | 3.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 2-Hexanone | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: MW DUPLICATE (2/17)

Phoenix I.D.: CH64724

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 50 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Acrolein | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 5.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Benzene | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Bromobenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Bromochloromethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Bromodichloromethane | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Bromoform | ND | 50 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Bromomethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Carbon Disulfide | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Chlorobenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Chloroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Chloroform | ND | 7.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Chloromethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | 35 | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Dibromochloromethane | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Dibromomethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Ethylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | 2.0 | 2.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Isopropylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| m&p-Xylene | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Methylene chloride | ND | 5.0 | 5.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Naphthalene | ND | 5.0 | 5.0 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| n-Butylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| n-Propylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| o-Xylene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Styrene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Tetrachloroethene | 33 | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | 50 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | 1 |
| Toluene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Trichloroethene | 10 | 10 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Vinyl chloride | ND | 2.5 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 (10x) | 100 | | | % | 10 | 02/20/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene (10x) | 95 | | | % | 10 | 02/20/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane (10x) | 99 | | | % | 10 | 02/20/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: MW DUPLICATE (2/17)

Phoenix I.D.: CH64724

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 (10x) | 96 | | | % | 10 | 02/20/21 | MH | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Acrolein | ND | 25 | 25 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 2.5 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| Tert-butyl alcohol | ND | 500 | 100 | ug/L | 10 | 02/20/21 | MH | SW8260C | |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 0.20 | 0.20 | ug/l | 1 | 02/23/21 | AW | SW8270DSIM | 1 |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,4-dioxane-d8 | 77 | | | % | 1 | 02/23/21 | AW | 30 - 130 % | |
| Extraction for 1,4-Dioxane | Completed | | | | | 02/22/21 | G/G | | |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**February 24, 2021**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

February 24, 2021

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | AB | 02/17/21 | |
| Location Code: | EBC | Received by: | B | 02/18/21 | 15:10 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCH64711
Phoenix ID: CH64725

Project ID: 480 FLUSHING AVE BK
Client ID: TRIP BLANK

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,1-Trichloroethane | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloroethane | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloroethene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | 0.25 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 0.50 | 0.50 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | 0.25 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | 0.60 | 0.50 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Chlorotoluene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Hexanone | ND | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 2-Isopropyltoluene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |

Project ID: 480 FLUSHING AVE BK
Client ID: TRIP BLANK

Phoenix I.D.: CH64725

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Acrylonitrile | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Benzene | ND | 0.70 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromobenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromochloromethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromodichloromethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromoform | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Bromomethane | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Carbon Disulfide | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Carbon tetrachloride | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chlorobenzene | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloroethane | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloroform | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Chloromethane | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| cis-1,2-Dichloroethene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | 0.40 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dibromochloromethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dibromomethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Ethylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Hexachlorobutadiene | ND | 0.50 | 0.20 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Isopropylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| m&p-Xylene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methyl ethyl ketone | ND | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Methylene chloride | ND | 3.0 | 1.0 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Naphthalene | ND | 1.0 | 1.0 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| n-Butylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| n-Propylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| o-Xylene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| p-Isopropyltoluene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| sec-Butylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Styrene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| tert-Butylbenzene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Tetrachloroethene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | 1 |
| Toluene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,2-Dichloroethene | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | 0.40 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | 2.5 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichloroethene | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichlorofluoromethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| Vinyl chloride | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 97 | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 98 | | | % | 1 | 02/18/21 | MH | 70 - 130 % | |

**Ver 1**

Project ID: 480 FLUSHING AVE BK
Client ID: TRIP BLANK

Phoenix I.D.: CH64725

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 97 | | | % | 1 | 02/18/21 | MH | 70 - 130 % |
| **1,4-dioxane** | | | | | | | | |
| 1,4-dioxane | ND | 100 | 50 | ug/l | 1 | 02/18/21 | MH | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | % | 1 | 02/18/21 | MH | 70 - 130 % |
| % Bromofluorobenzene | 97 | | | % | 1 | 02/18/21 | MH | 70 - 130 % |
| % Dibromofluoromethane | 98 | | | % | 1 | 02/18/21 | MH | 70 - 130 % |
| % Toluene-d8 | 97 | | | % | 1 | 02/18/21 | MH | 70 - 130 % |
| **Volatiles** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C |
| Acrolein | ND | 5.0 | 2.5 | ug/L | 1 | 02/18/21 | MH | SW8260C |
| Acrylonitrile | ND | 5.0 | 0.25 | ug/L | 1 | 02/18/21 | MH | SW8260C |
| Tert-butyl alcohol | ND | 50 | 10 | ug/L | 1 | 02/18/21 | MH | SW8260C |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

TRIP BLANK INCLUDED.

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**February 24, 2021**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Wednesday, February 24, 2021

Criteria: NY: 375GWP, GW

State: NY

# Sample Criteria Exceedances Report

## GCH64711 - EBC

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| CH64711 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 74 | 5.0 | 5 | 5 | ug/L |
| CH64711 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 27 | 1.0 | 5 | 5 | ug/L |
| CH64711 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64711 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64711 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 5.6 | 1.0 | 5 | 5 | ug/L |
| CH64711 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 74 | 5.0 | 5 | 5 | ug/L |
| CH64711 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 27 | 1.0 | 5 | 5 | ug/L |
| CH64711 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64712 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 30 | 10 | 5 | 5 | ug/L |
| CH64712 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 100 | 10 | 5 | 5 | ug/L |
| CH64712 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64712 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 30 | 10 | 5 | 5 | ug/L |
| CH64712 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 100 | 10 | 5 | 5 | ug/L |
| CH64712 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64712 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64712 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 170 | 10 | 5 | 5 | ug/L |
| CH64713 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 34 | 5.0 | 5 | 5 | ug/L |
| CH64713 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 11 | 1.0 | 5 | 5 | ug/L |
| CH64713 | $8260DP25R | 1,1,1-Trichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 5.9 | 5.0 | 5 | 5 | ug/L |
| CH64713 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 11 | 1.0 | 5 | 5 | ug/L |
| CH64713 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 34 | 5.0 | 5 | 5 | ug/L |
| CH64713 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64713 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64713 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64713 | $8260DP25R | 1,1,1-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | 5.9 | 5.0 | 5 | 5 | ug/L |
| CH64713 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 34 | 5.0 | 5 | 5 | ug/L |
| CH64714 | $8260DP25R | Naphthalene | NY / TAGM - Semi-Volatiles / Groundwater Standards | 130 | 10 | 10 | 10 | ug/L |
| CH64714 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 11 | 1.0 | 5 | 5 | ug/L |
| CH64714 | $8260DP25R | Chloroform | NY / TAGM - Volatile Organics / Groundwater Standards | 30 | 7.0 | 7 | 7 | ug/L |
| CH64714 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 76 | 10 | 5 | 5 | ug/L |
| CH64714 | $8260DP25R | Naphthalene | NY / TAGM - Volatile Organics / Groundwater Standards | 130 | 10 | 5 | 5 | ug/L |
| CH64714 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64714 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 76 | 10 | 5 | 5 | ug/L |
| CH64714 | $8260DP25R | Chloroform | NY / TOGS - Water Quality / GA Criteria | 30 | 7.0 | 7 | 7 | ug/L |
| CH64714 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64714 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64714 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 11 | 1.0 | 5 | 5 | ug/L |
| CH64714 | $8260DP25R | Naphthalene | NY / TOGS - Water Quality / GA Criteria | 130 | 10 | 10 | 10 | ug/L |
| CH64715 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 220 | 20 | 5 | 5 | ug/L |

Wednesday, February 24, 2021

Criteria: NY: 375GWP, GW

State: NY

# Sample Criteria Exceedances Report

## GCH64711 - EBC

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| CH64715 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 36 | 20 | 5 | 5 | ug/L |
| CH64715 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 36 | 20 | 5 | 5 | ug/L |
| CH64715 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 190 | 20 | 5 | 5 | ug/L |
| CH64715 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64715 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64715 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64715 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 220 | 20 | 5 | 5 | ug/L |
| CH64716 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 140 | 10 | 5 | 5 | ug/L |
| CH64716 | $8260DP25R | 1,1,1-Trichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 21 | 5.0 | 5 | 5 | ug/L |
| CH64716 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 27 | 1.0 | 5 | 5 | ug/L |
| CH64716 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 27 | 1.0 | 5 | 5 | ug/L |
| CH64716 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 140 | 10 | 5 | 5 | ug/L |
| CH64716 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 110 | 10 | 5 | 5 | ug/L |
| CH64716 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64716 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64716 | $8260DP25R | 1,1,1-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | 21 | 5.0 | 5 | 5 | ug/L |
| CH64716 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64717 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 24 | 1.0 | 5 | 5 | ug/L |
| CH64717 | $8260DP25R | 1,1,1-Trichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 27 | 5.0 | 5 | 5 | ug/L |
| CH64717 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 92 | 10 | 5 | 5 | ug/L |
| CH64717 | $8260DP25R | Ethylbenzene | NY / TAGM - Volatile Organics / Groundwater Standards | 6.3 | 1.0 | 5 | 5 | ug/L |
| CH64717 | $8260DP25R | o-Xylene | NY / TAGM - Volatile Organics / Groundwater Standards | 6.7 | 1.0 | 5 | 5 | ug/L |
| CH64717 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 24 | 1.0 | 5 | 5 | ug/L |
| CH64717 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 92 | 10 | 5 | 5 | ug/L |
| CH64717 | $8260DP25R | o-Xylene | NY / TOGS - Water Quality / GA Criteria | 6.7 | 1.0 | 5 | 5 | ug/L |
| CH64717 | $8260DP25R | 1,1,1-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | 27 | 5.0 | 5 | 5 | ug/L |
| CH64717 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 51 | 10 | 5 | 5 | ug/L |
| CH64717 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64717 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64717 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64717 | $8260DP25R | Ethylbenzene | NY / TOGS - Water Quality / GA Criteria | 6.3 | 1.0 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | Methylene chloride | NY / TAGM - Volatile Organics / Groundwater Standards | ND | 10 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | Benzene | NY / TAGM - Volatile Organics / Groundwater Standards | ND | 5.0 | 0.7 | 0.7 | ug/L |
| CH64718 | $8260DP25R | Naphthalene | NY / TAGM - Volatile Organics / Groundwater Standards | ND | 10 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 7300 | 500 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | 1,2-Dichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | ND | 10 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | 1,1,1-Trichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 290 | 100 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 45 | 20 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | 1,1-Dichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 18 | 5.0 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | Vinyl chloride | NY / TAGM - Volatile Organics / Groundwater Standards | ND | 5.0 | 2 | 2 | ug/L |

Wednesday, February 24, 2021

Criteria: NY: 375GWP, GW

State: NY

# Sample Criteria Exceedances Report

## GCH64711 - EBC

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| CH64718 | $8260DP25R | 1,2-Dichlorobenzene | NY / TAGM - Volatile Organics / Groundwater Standards | ND | 5.0 | 4.7 | 4.7 | ug/L |
| CH64718 | $8260DP25R | trans-1,3-Dichloropropene | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 0.4 | 0.4 | ug/L |
| CH64718 | $8260DP25R | Vinyl chloride | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 2 | 2 | ug/L |
| CH64718 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 7300 | 500 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 45 | 20 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | Methylene chloride | NY / TOGS - Water Quality / GA Criteria | ND | 10 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | Hexachlorobutadiene | NY / TOGS - Water Quality / GA Criteria | ND | 4.0 | 0.5 | 0.5 | ug/L |
| CH64718 | $8260DP25R | trans-1,4-dichloro-2-butene | NY / TOGS - Water Quality / GA Criteria | ND | 50 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 10 | 0.04 | 0.04 | ug/L |
| CH64718 | $8260DP25R | 1,1,1-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | 290 | 100 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | 1,1,2-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 1 | 1 | ug/L |
| CH64718 | $8260DP25R | 1,1-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 18 | 5.0 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 0.0006 | 0.0006 | ug/L |
| CH64718 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 0.04 | 0.04 | ug/L |
| CH64718 | $8260DP25R | cis-1,3-Dichloropropene | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 0.4 | 0.4 | ug/L |
| CH64718 | $8260DP25R | 1,2-Dichloroethane | NY / TOGS - Water Quality / GA Criteria | ND | 10 | 0.6 | 0.6 | ug/L |
| CH64718 | $8260DP25R | 1,2-Dichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 1 | 1 | ug/L |
| CH64718 | $8260DP25R | 1,3-Dichlorobenzene | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 3 | 3 | ug/L |
| CH64718 | $8260DP25R | Acrolein | NY / TOGS - Water Quality / GA Criteria | ND | 50 | 5 | 5 | ug/L |
| CH64718 | $8260DP25R | Benzene | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 1 | 1 | ug/L |
| CH64718 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 25 | 20 | 5 | 5 | ug/L |
| CH64718 | $NJADD-WM | Acrolein | NY / TOGS - Water Quality / GA Criteria | ND | 50 | 5 | 5 | ug/L |
| CH64719 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 200 | 10 | 5 | 5 | ug/L |
| CH64719 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 24 | 1.0 | 5 | 5 | ug/L |
| CH64719 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64719 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64719 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 200 | 10 | 5 | 5 | ug/L |
| CH64719 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 24 | 1.0 | 5 | 5 | ug/L |
| CH64719 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64720 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 18 | 1.0 | 5 | 5 | ug/L |
| CH64720 | $8260DP25R | Vinyl chloride | NY / TAGM - Volatile Organics / Groundwater Standards | 22 | 1.0 | 2 | 2 | ug/L |
| CH64720 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 23 | 1.0 | 5 | 5 | ug/L |
| CH64720 | $8260DP25R | 1,1,1-Trichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 280 | 100 | 5 | 5 | ug/L |
| CH64720 | $8260DP25R | 1,1-Dichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 71 | 5.0 | 5 | 5 | ug/L |
| CH64720 | $8260DP25R | 1,1,1-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | 280 | 100 | 5 | 5 | ug/L |
| CH64720 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 18 | 1.0 | 5 | 5 | ug/L |
| CH64720 | $8260DP25R | Vinyl chloride | NY / TOGS - Water Quality / GA Criteria | 22 | 1.0 | 2 | 2 | ug/L |
| CH64720 | $8260DP25R | 1,1-Dichloroethane | NY / TOGS - Water Quality / GA Criteria | 71 | 5.0 | 5 | 5 | ug/L |
| CH64720 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 23 | 1.0 | 5 | 5 | ug/L |
| CH64720 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 28 | 1.0 | 5 | 5 | ug/L |

Wednesday, February 24, 2021

Criteria: NY: 375GWP, GW

State: NY

# Sample Criteria Exceedances Report

## GCH64711 - EBC

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| CH64720 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64720 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64720 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64721 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 28 | 10 | 5 | 5 | ug/L |
| CH64721 | $8260DP25R | 1,1-Dichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 14 | 1.0 | 5 | 5 | ug/L |
| CH64721 | $8260DP25R | 1,1-Dichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 16 | 5.0 | 5 | 5 | ug/L |
| CH64721 | $8260DP25R | Vinyl chloride | NY / TAGM - Volatile Organics / Groundwater Standards | 200 | 10 | 2 | 2 | ug/L |
| CH64721 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 57 | 10 | 5 | 5 | ug/L |
| CH64721 | $8260DP25R | 1,1,1-Trichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 29 | 5.0 | 5 | 5 | ug/L |
| CH64721 | $8260DP25R | Vinyl chloride | NY / TOGS - Water Quality / GA Criteria | 200 | 10 | 2 | 2 | ug/L |
| CH64721 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 57 | 10 | 5 | 5 | ug/L |
| CH64721 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 28 | 10 | 5 | 5 | ug/L |
| CH64721 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64721 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64721 | $8260DP25R | 1,1-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 14 | 1.0 | 5 | 5 | ug/L |
| CH64721 | $8260DP25R | 1,1,1-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | 29 | 5.0 | 5 | 5 | ug/L |
| CH64721 | $8260DP25R | 1,1-Dichloroethane | NY / TOGS - Water Quality / GA Criteria | 16 | 5.0 | 5 | 5 | ug/L |
| CH64721 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64721 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 260 | 10 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | 1,1-Dichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 7.6 | 5.0 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | Benzene | NY / TAGM - Volatile Organics / Groundwater Standards | ND | 2.5 | 0.7 | 0.7 | ug/L |
| CH64722 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 63 | 10 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | Vinyl chloride | NY / TAGM - Volatile Organics / Groundwater Standards | ND | 2.5 | 2 | 2 | ug/L |
| CH64722 | $8260DP25R | 1,1,1-Trichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 96 | 50 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 1400 | 100 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | trans-1,4-dichloro-2-butene | NY / TOGS - Water Quality / GA Criteria | ND | 25 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | trans-1,3-Dichloropropene | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 0.4 | 0.4 | ug/L |
| CH64722 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 1400 | 100 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | cis-1,3-Dichloropropene | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 0.4 | 0.4 | ug/L |
| CH64722 | $8260DP25R | Vinyl chloride | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 2 | 2 | ug/L |
| CH64722 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 21 | 10 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 63 | 10 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | 1,1,2-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 1 | 1 | ug/L |
| CH64722 | $8260DP25R | Benzene | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 1 | 1 | ug/L |
| CH64722 | $8260DP25R | 1,1,1-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | 96 | 50 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | 1,1-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 7.6 | 5.0 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 0.04 | 0.04 | ug/L |
| CH64722 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 0.04 | 0.04 | ug/L |
| CH64722 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 0.0006 | 0.0006 | ug/L |
| CH64722 | $8260DP25R | 1,2-Dichloroethane | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 0.6 | 0.6 | ug/L |

Wednesday, February 24, 2021

Criteria: NY: 375GWP, GW

State: NY

# Sample Criteria Exceedances Report

## GCH64711 - EBC

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| CH64722 | $8260DP25R | 1,2-Dichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 1 | 1 | ug/L |
| CH64722 | $8260DP25R | Acrolein | NY / TOGS - Water Quality / GA Criteria | ND | 25 | 5 | 5 | ug/L |
| CH64722 | $8260DP25R | Hexachlorobutadiene | NY / TOGS - Water Quality / GA Criteria | ND | 2.0 | 0.5 | 0.5 | ug/L |
| CH64722 | $NJADD-WM | Acrolein | NY / TOGS - Water Quality / GA Criteria | ND | 25 | 5 | 5 | ug/L |
| CH64723 | $8260DP25R | 1,1-Dichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 73 | 25 | 5 | 5 | ug/L |
| CH64723 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 15 | 5.0 | 5 | 5 | ug/L |
| CH64723 | $8260DP25R | 1,1,1-Trichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 270 | 100 | 5 | 5 | ug/L |
| CH64723 | $8260DP25R | Vinyl chloride | NY / TAGM - Volatile Organics / Groundwater Standards | 25 | 1.0 | 2 | 2 | ug/L |
| CH64723 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 24 | 1.0 | 5 | 5 | ug/L |
| CH64723 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 24 | 1.0 | 5 | 5 | ug/L |
| CH64723 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 15 | 5.0 | 5 | 5 | ug/L |
| CH64723 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 27 | 5.0 | 5 | 5 | ug/L |
| CH64723 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64723 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |
| CH64723 | $8260DP25R | 1,1-Dichloroethane | NY / TOGS - Water Quality / GA Criteria | 73 | 25 | 5 | 5 | ug/L |
| CH64723 | $8260DP25R | Vinyl chloride | NY / TOGS - Water Quality / GA Criteria | 25 | 1.0 | 2 | 2 | ug/L |
| CH64723 | $8260DP25R | 1,1,1-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | 270 | 100 | 5 | 5 | ug/L |
| CH64723 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64724 | $8260DP25R | Benzene | NY / TAGM - Volatile Organics / Groundwater Standards | ND | 2.5 | 0.7 | 0.7 | ug/L |
| CH64724 | $8260DP25R | Trichloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 10 | 10 | 5 | 5 | ug/L |
| CH64724 | $8260DP25R | Vinyl chloride | NY / TAGM - Volatile Organics / Groundwater Standards | ND | 2.5 | 2 | 2 | ug/L |
| CH64724 | $8260DP25R | Tetrachloroethene | NY / TAGM - Volatile Organics / Groundwater Standards | 33 | 10 | 5 | 5 | ug/L |
| CH64724 | $8260DP25R | 1,1,1-Trichloroethane | NY / TAGM - Volatile Organics / Groundwater Standards | 6.1 | 5.0 | 5 | 5 | ug/L |
| CH64724 | $8260DP25R | 1,1,2-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 1 | 1 | ug/L |
| CH64724 | $8260DP25R | Vinyl chloride | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 2 | 2 | ug/L |
| CH64724 | $8260DP25R | Trichloroethene | NY / TOGS - Water Quality / GA Criteria | 10 | 10 | 5 | 5 | ug/L |
| CH64724 | $8260DP25R | trans-1,4-dichloro-2-butene | NY / TOGS - Water Quality / GA Criteria | ND | 25 | 5 | 5 | ug/L |
| CH64724 | $8260DP25R | 1,1,1-Trichloroethane | NY / TOGS - Water Quality / GA Criteria | 6.1 | 5.0 | 5 | 5 | ug/L |
| CH64724 | $8260DP25R | Tetrachloroethene | NY / TOGS - Water Quality / GA Criteria | 33 | 10 | 5 | 5 | ug/L |
| CH64724 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 0.04 | 0.04 | ug/L |
| CH64724 | $8260DP25R | Hexachlorobutadiene | NY / TOGS - Water Quality / GA Criteria | ND | 2.0 | 0.5 | 0.5 | ug/L |
| CH64724 | $8260DP25R | cis-1,3-Dichloropropene | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 0.4 | 0.4 | ug/L |
| CH64724 | $8260DP25R | cis-1,2-Dichloroethene | NY / TOGS - Water Quality / GA Criteria | 35 | 10 | 5 | 5 | ug/L |
| CH64724 | $8260DP25R | Benzene | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 1 | 1 | ug/L |
| CH64724 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 0.04 | 0.04 | ug/L |
| CH64724 | $8260DP25R | Acrolein | NY / TOGS - Water Quality / GA Criteria | ND | 25 | 5 | 5 | ug/L |
| CH64724 | $8260DP25R | 1,2-Dichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 1 | 1 | ug/L |
| CH64724 | $8260DP25R | 1,2-Dichloroethane | NY / TOGS - Water Quality / GA Criteria | ND | 5.0 | 0.6 | 0.6 | ug/L |
| CH64724 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 0.0006 | 0.0006 | ug/L |
| CH64724 | $8260DP25R | trans-1,3-Dichloropropene | NY / TOGS - Water Quality / GA Criteria | ND | 2.5 | 0.4 | 0.4 | ug/L |

Wednesday, February 24, 2021

Criteria: NY: 375GWP, GW

State: NY

# Sample Criteria Exceedances Report

## GCH64711 - EBC

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| CH64724 | $NJADD-WM | Acrolein | NY / TOGS - Water Quality / GA Criteria | ND | 25 | 5 | 5 | ug/L |
| CH64725 | $8260DP25R | 1,2-Dibromoethane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.0006 | 0.0006 | ug/L |
| CH64725 | $8260DP25R | 1,2,3-Trichloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.25 | 0.04 | 0.04 | ug/L |
| CH64725 | $8260DP25R | 1,2-Dibromo-3-chloropropane | NY / TOGS - Water Quality / GA Criteria | ND | 0.50 | 0.04 | 0.04 | ug/L |

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

**Environmental Laboratories, Inc.**
**587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045**
**Tel. (860) 645-1102 Fax (860) 645-0823**

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# NY Temperature Narration

**February 24, 2021**

**SDG I.D.: GCH64711**

The samples in this delivery group were received at 1.8°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☐ No ☐
Coolant: IPK ☒ ICE ☐ No ☐

# PHOENIX
*Environmental Laboratories, Inc.*

## NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
**Client Services (860) 645-8726**

Temp 1.8° C Pg 1 of 2

**Contact Options:**
☐ Fax:
☐ Phone: 631-504-6000
☒ Email: [illegible]

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 480 Flushing Ave, BK
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

***This section MUST be completed with Bottle Quantities.***

**Client Sample - Information - Identification**

Sampler's Signature: Anthony Balsamo Date: 2-17-21

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**RW**=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
**OIL**=Oil **B**=Bulk **L**=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260C / 5035 | 1,4-Dioxane 8270 SIM | 8oz Amber Na4SO4 | Soil VOA Vials [ ] methanol [ ] H2O | GL Soil container ( ) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] As is [ ] HCl | GL Amber 1000ml [ ] As is [ ] H2SO4 | PL As is [ ] 250ml [ ] 500ml [ ] 1000ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64711 | CW1-S | GW | 2/16 | 10:25 | X | X | 1 | | | | 3 | | | | | | |
| 64712 | CW1-I | GW | 2/16 | 8:45 | X | X | 3 | | | | 9 | | | | | | |
| 64713 | CW1-D | GW | 2/16 | 9:42 | X | X | 1 | | | | 3 | | | | | | |
| 64714 | CW2-S | GW | 2/16 | 1:45 | X | X | 1 | | | | 3 | | | | | | |
| 64715 | CW2-I | GW | 2/16 | 1:10 | X | X | 1 | | | | 3 | | | | | | |
| 64716 | CW1-D | GW | 2/16 | 12:45 | X | X | 1 | | | | 3 | | | | | | |
| 64717 | CW3-S | GW | 2/17 | 10:22 | X | X | 1 | | | | 3 | | | | | | |
| 64718 | CW3-I | GW | 2/17 | 11:01 | X | X | 1 | | | | 3 | | | | | | |
| 64719 | CW3-D | GW | 2/17 | 11:41 | X | X | 1 | | | | 3 | | | | | | |
| 64720 | CW4-S | GW | 2/17 | 7:57 | X | X | 1 | | | | 3 | | | | | | |
| 64721 | CW4-I | GW | 2/17 | 8:50 | X | X | 1 | | | | 3 | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 2-18-21 | 9:00 |
| [signature] | [signature] | 2-18-21 | 15:10 |
| | | | |

**Comments, Special Requirements or Regulations:**

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

**NJ**
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

**NY**
☒ NY 375 GWP
☐ NY375 Unrestricted Use Soil
☐ NY375 Residential Soil
☐ Restricted/Residential
☐ Commercial
☐ Industrial

**Data Format**
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☒ NY EZ EDD (ASP)
☐ Other

**Data Package**
☐ NJ Reduced Deliv. *
☒ NY Enhanced (ASP B) *
☐ Other

**State where samples were collected:** NY

PEL 164 REV. 5/2020

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐

Temp 1.8 °C Pg 2 of 2

# NY/NJ CHAIN OF CUSTODY RECORD

**PHOENIX** Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
**Client Services (860) 645-8726**

**Contact Options:**
☐ Fax:
☐ Phone: 631-504-6000
☑ Email: File

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 480 Flushing Ave, Bk
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

***This section MUST be completed with Bottle Quantities.***

**Client Sample - Information - Identification**

Sampler's Signature: Anthony Balano Date: 2-17-21

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**RW**=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
**OIL**=Oil **B**=Bulk **L**=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260C / 5035 | 1,4-Dioxane 8270 SIM | 8oz Amber NaHSO4 | Soil VOA Vials [ ] methanol [ ] H2O | GL Soil container ( ) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] As is [ ] HCl | GL Amber 1000ml [ ] As is [ ] H2SO4 | PL As is [ ] 250ml [ ] 500ml [ ] 1000ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64722 | CW4-D | GW | 2-17 | 9:27 | X | X | 1 | | | | | | 3 | | | | |
| 64723 | mw Duplicate (2/16) | GW | 2—16 | — | X | X | 1 | | | | | | 3 | | | | |
| 64724 | mw Duplicate (2/17) | GW | 2—17 | — | X | X | 1 | | | | | | 3 | | | | |
| 64725 | Trip Blank | GW | — | — | X | | | | | | | | 2 | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| | | 2-18-21 | 9:00 |
| | | 2-18-21 | 15:10 |

**Comments, Special Requirements or Regulations:**

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

**NJ**
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

**NY**
☒ NY 375 GWP
☐ NY375 Unrestricted Use Soil
☐ NY375 Residential Soil
☐ Restricted/Residential
☐ Commercial
☐ Industrial

**Data Format**
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☒ NY EZ EDD (ASP)
☐ Other

**Data Package**
☐ NJ Reduced Deliv. *
☒ NY Enhanced (ASP B) *
☐ Other

**State where samples were collected:** NY

PEL 164 REV. 5/2020

# ***APPENDIX - E***

## *Laboratory Reports - Alpha*

ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L2107715 |
| Client: | Environmental Business Consultants Inc<br>1808 Middle Country Road<br>Ridge, NY 11961 |
| ATTN: | Chawinie Reilly |
| Phone: | (631) 504-6000 |
| Project Name: | 480 FLUSHING AVE |
| Project Number: | FLG1801 |
| Report Date: | 02/26/21 |

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2107715
**Report Date:** 02/26/21

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L2107715-01 | CW1-S | WATER | BROOKLYN, NY | 02/16/21 10:25 | 02/17/21 |
| L2107715-02 | CW1-I | WATER | BROOKLYN, NY | 02/16/21 08:45 | 02/17/21 |
| L2107715-03 | CW1-D | WATER | BROOKLYN, NY | 02/16/21 09:42 | 02/17/21 |
| L2107715-04 | CW2-S | WATER | BROOKLYN, NY | 02/16/21 13:45 | 02/17/21 |
| L2107715-05 | CW2-I | WATER | BROOKLYN, NY | 02/16/21 13:10 | 02/17/21 |
| L2107715-06 | CW2-D | WATER | BROOKLYN, NY | 02/16/21 12:45 | 02/17/21 |
| L2107715-07 | CW3-S | WATER | BROOKLYN, NY | 02/17/21 10:22 | 02/17/21 |
| L2107715-08 | CW3-I | WATER | BROOKLYN, NY | 02/17/21 11:01 | 02/17/21 |
| L2107715-09 | CW3-D | WATER | BROOKLYN, NY | 02/17/21 11:41 | 02/17/21 |
| L2107715-10 | CW4-S | WATER | BROOKLYN, NY | 02/17/21 07:57 | 02/17/21 |
| L2107715-11 | CW4-I | WATER | BROOKLYN, NY | 02/17/21 08:50 | 02/17/21 |
| L2107715-12 | CW4-D | WATER | BROOKLYN, NY | 02/17/21 09:27 | 02/17/21 |
| L2107715-13 | MW DUPLICATE 2/16 | WATER | BROOKLYN, NY | 02/16/21 00:00 | 02/17/21 |
| L2107715-14 | MW DUPLICATE 2/17 | WATER | BROOKLYN, NY | 02/17/21 00:00 | 02/17/21 |
| L2107715-15 | RINSATE BLANK 2/16 | WATER | BROOKLYN, NY | 02/16/21 07:09 | 02/17/21 |
| L2107715-16 | RINSATE BLANK 2/17 | WATER | BROOKLYN, NY | 02/17/21 06:59 | 02/17/21 |

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2107715 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/26/21 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

**Case Narrative (continued)**

Report Submission

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

Perfluorinated Alkyl Acids by Isotope Dilution

L2107715-01, -02, -05, -10, -11, and -14: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2107715-04: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

WG1467260-2: The LCS recovery, associated with L2107715-01 through -16, is above the acceptance criteria for perfluorotridecanoic acid (pftrda) (160%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

WG1467260-4: The MSD recovery, performed on L2107715-02, is outside the acceptance criteria for perfluorotridecanoic acid (pftrda) (171%).

WG1467260-3 and WG1467260-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

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

Authorized Signature: Alycia Mogayzel

Title: Technical Director/Representative Date: 02/26/21

# ORGANICS

# SEMIVOLATILES

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-01
Client ID: CW1-S
Sample Location: BROOKLYN, NY

Date Collected: 02/16/21 10:25
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/21 21:46
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 12.6 | | ng/l | 1.98 | 0.405 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 20.2 | | ng/l | 1.98 | 0.393 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 4.02 | | ng/l | 1.98 | 0.236 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 23.2 | | ng/l | 1.98 | 0.326 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 27.4 | | ng/l | 1.98 | 0.224 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 3.62 | | ng/l | 1.98 | 0.373 | 1 |
| Perfluorooctanoic Acid (PFOA) | 43.2 | | ng/l | 1.98 | 0.234 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 2.04 | | ng/l | 1.98 | 1.32 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.98 | 0.683 | 1 |
| Perfluorononanoic Acid (PFNA) | 4.67 | | ng/l | 1.98 | 0.310 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 116 | | ng/l | 1.98 | 0.500 | 1 |
| Perfluorodecanoic Acid (PFDA) | 6.72 | | ng/l | 1.98 | 0.302 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.98 | 1.20 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.98 | 0.643 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 0.945 | J | ng/l | 1.98 | 0.258 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.98 | 0.973 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.98 | 0.576 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.98 | 0.798 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.98 | 0.369 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.98 | 0.325 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.98 | 0.246 | 1 |
| PFOA/PFOS, Total | 159 | | ng/l | 1.98 | 0.234 | 1 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-01
Client ID: CW1-S
Sample Location: BROOKLYN, NY
Date Collected: 02/16/21 10:25
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 76 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 74 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 81 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 63 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 69 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | **69** | Q | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 75 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | **157** | Q | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 73 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | **65** | Q | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | **58** | Q | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 89 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 62 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 64 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 17 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 72 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 64 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 69 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-02
Client ID: CW1-I
Sample Location: BROOKLYN, NY

Date Collected: 02/16/21 08:45
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/21 22:03
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 10.0 | | ng/l | 1.98 | 0.403 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 15.2 | | ng/l | 1.98 | 0.391 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 6.18 | | ng/l | 1.98 | 0.235 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 13.4 | | ng/l | 1.98 | 0.324 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 11.7 | | ng/l | 1.98 | 0.222 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 6.78 | | ng/l | 1.98 | 0.372 | 1 |
| Perfluorooctanoic Acid (PFOA) | 74.7 | | ng/l | 1.98 | 0.233 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.98 | 1.32 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.98 | 0.680 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.70 | J | ng/l | 1.98 | 0.308 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 38.9 | | ng/l | 1.98 | 0.498 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.332 | JF | ng/l | 1.98 | 0.300 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.98 | 1.20 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.98 | 0.640 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.98 | 0.257 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.98 | 0.968 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.98 | 0.573 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.98 | 0.794 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.98 | 0.368 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.98 | 0.323 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.98 | 0.245 | 1 |
| PFOA/PFOS, Total | 114 | | ng/l | 1.98 | 0.233 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-02 Date Collected: 02/16/21 08:45

Client ID: CW1-I Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 85 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 90 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 97 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 76 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 79 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 93 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 83 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | **149** | Q | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 83 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 86 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 75 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 96 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 51 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 75 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 15 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 55 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 60 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 64 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-03
Client ID: CW1-D
Sample Location: BROOKLYN, NY

Date Collected: 02/16/21 09:42
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/21 22:53
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 11.7 | | ng/l | 1.92 | 0.392 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 20.7 | | ng/l | 1.92 | 0.381 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 8.50 | | ng/l | 1.92 | 0.229 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 18.6 | | ng/l | 1.92 | 0.316 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 16.1 | | ng/l | 1.92 | 0.217 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 10.0 | | ng/l | 1.92 | 0.362 | 1 |
| Perfluorooctanoic Acid (PFOA) | 108 | | ng/l | 1.92 | 0.227 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.92 | 1.28 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.92 | 0.662 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.55 | J | ng/l | 1.92 | 0.300 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 30.1 | | ng/l | 1.92 | 0.485 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.92 | 0.292 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.92 | 1.17 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.92 | 0.623 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.92 | 0.250 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.92 | 0.943 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.92 | 0.558 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.92 | 0.774 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.92 | 0.358 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.92 | 0.315 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.92 | 0.239 | 1 |
| PFOA/PFOS, Total | 138 | | ng/l | 1.92 | 0.227 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-03 Date Collected: 02/16/21 09:42

Client ID: CW1-D Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 75 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 96 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 96 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 77 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 80 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 77 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 79 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 106 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 79 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 81 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 76 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 76 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 61 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 86 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 13 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 69 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 87 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 113 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-04
Client ID: CW2-S
Sample Location: BROOKLYN, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/21 23:09
Analyst: SG

Date Collected: 02/16/21 13:45
Date Received: 02/17/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 4.53 | J | ng/l | 16.7 | 3.40 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 7.23 | J | ng/l | 16.7 | 3.30 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 16.7 | 1.98 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 6.33 | J | ng/l | 16.7 | 2.73 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 3.87 | J | ng/l | 16.7 | 1.88 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 16.7 | 3.13 | 1 |
| Perfluorooctanoic Acid (PFOA) | 16.8 | | ng/l | 16.7 | 1.97 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 16.7 | 11.1 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 16.7 | 5.73 | 1 |
| Perfluorononanoic Acid (PFNA) | 3.33 | JF | ng/l | 16.7 | 2.60 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 51.7 | | ng/l | 16.7 | 4.20 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 16.7 | 2.53 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 16.7 | 10.1 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 16.7 | 5.40 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 16.7 | 2.17 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 16.7 | 8.17 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 16.7 | 4.83 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 16.7 | 6.70 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 16.7 | 3.10 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 16.7 | 2.73 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 16.7 | 2.07 | 1 |
| PFOA/PFOS, Total | 68.5 | | ng/l | 16.7 | 1.97 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-04 Date Collected: 02/16/21 13:45

Client ID: CW2-S Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 90 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 118 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 110 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 95 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 93 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 96 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 90 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 89 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 90 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 93 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 85 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 86 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 54 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 95 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 17 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 64 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 74 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 77 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-05
Client ID: CW2-I
Sample Location: BROOKLYN, NY

Date Collected: 02/16/21 13:10
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/21 23:26
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 10.4 | | ng/l | 2.03 | 0.415 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 19.4 | | ng/l | 2.03 | 0.402 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 6.74 | | ng/l | 2.03 | 0.242 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 15.4 | | ng/l | 2.03 | 0.333 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 12.0 | | ng/l | 2.03 | 0.229 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 7.35 | | ng/l | 2.03 | 0.382 | 1 |
| Perfluorooctanoic Acid (PFOA) | 64.6 | | ng/l | 2.03 | 0.240 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 2.85 | | ng/l | 2.03 | 1.35 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 0.793 | JF | ng/l | 2.03 | 0.699 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.61 | J | ng/l | 2.03 | 0.317 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 56.7 | | ng/l | 2.03 | 0.512 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.476 | J | ng/l | 2.03 | 0.309 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.03 | 1.23 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.03 | 0.659 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 0.333 | J | ng/l | 2.03 | 0.264 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.03 | 0.996 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.03 | 0.590 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.03 | 0.817 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.03 | 0.378 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.03 | 0.332 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.03 | 0.252 | 1 |
| PFOA/PFOS, Total | 121 | | ng/l | 2.03 | 0.240 | 1 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-05
Client ID: CW2-I
Sample Location: BROOKLYN, NY
Date Collected: 02/16/21 13:10
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 81 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 90 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 95 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 73 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 78 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 83 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 80 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | **161** | Q | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 79 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 82 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 69 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 89 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 51 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 69 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 17 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 52 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 63 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 70 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-06
Client ID: CW2-D
Sample Location: BROOKLYN, NY

Date Collected: 02/16/21 12:45
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/21 23:42
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 10.6 | | ng/l | 2.03 | 0.414 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 19.8 | | ng/l | 2.03 | 0.402 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 7.20 | | ng/l | 2.03 | 0.242 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 16.0 | | ng/l | 2.03 | 0.333 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 13.5 | | ng/l | 2.03 | 0.229 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 8.26 | | ng/l | 2.03 | 0.382 | 1 |
| Perfluorooctanoic Acid (PFOA) | 84.1 | | ng/l | 2.03 | 0.240 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 2.03 | 1.35 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.03 | 0.699 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.63 | J | ng/l | 2.03 | 0.317 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 33.4 | | ng/l | 2.03 | 0.512 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 2.03 | 0.309 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.03 | 1.23 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.03 | 0.658 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 2.03 | 0.264 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.03 | 0.996 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.03 | 0.589 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.03 | 0.817 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.03 | 0.378 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.03 | 0.332 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.03 | 0.252 | 1 |
| PFOA/PFOS, Total | 118 | | ng/l | 2.03 | 0.240 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-06 Date Collected: 02/16/21 12:45

Client ID: CW2-D Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 78 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 92 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 95 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 74 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 76 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 84 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 80 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 132 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 79 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 84 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 74 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 88 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 56 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 80 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 18 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 62 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 81 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 103 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-07
Client ID: CW3-S
Sample Location: BROOKLYN, NY

Date Collected: 02/17/21 10:22
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/21 23:59
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 2.45 | | ng/l | 2.02 | 0.412 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 2.11 | | ng/l | 2.02 | 0.400 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 2.02 | 0.240 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 2.32 | | ng/l | 2.02 | 0.331 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 2.13 | | ng/l | 2.02 | 0.227 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.388 | J | ng/l | 2.02 | 0.380 | 1 |
| Perfluorooctanoic Acid (PFOA) | 8.88 | | ng/l | 2.02 | 0.238 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 1.41 | J | ng/l | 2.02 | 1.34 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.02 | 0.695 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.87 | J | ng/l | 2.02 | 0.315 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 17.8 | | ng/l | 2.02 | 0.509 | 1 |
| Perfluorodecanoic Acid (PFDA) | 2.97 | | ng/l | 2.02 | 0.307 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.02 | 1.22 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.02 | 0.654 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 0.517 | J | ng/l | 2.02 | 0.262 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.02 | 0.990 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.02 | 0.586 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.02 | 0.812 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.02 | 0.376 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.02 | 0.330 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.02 | 0.250 | 1 |
| PFOA/PFOS, Total | 26.7 | | ng/l | 2.02 | 0.238 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-07 Date Collected: 02/17/21 10:22

Client ID: CW3-S Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 77 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 99 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 100 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 80 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 79 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 91 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 82 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 143 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 81 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 84 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 74 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 104 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 45 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 76 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 15 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 67 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 56 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 90 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-08
Client ID: CW3-I
Sample Location: BROOKLYN, NY

Date Collected: 02/17/21 11:01
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/21 00:32
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 16.8 | | ng/l | 1.93 | 0.394 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 30.9 | | ng/l | 1.93 | 0.382 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 4.04 | | ng/l | 1.93 | 0.230 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 24.6 | | ng/l | 1.93 | 0.316 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 17.3 | | ng/l | 1.93 | 0.217 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 3.72 | | ng/l | 1.93 | 0.363 | 1 |
| Perfluorooctanoic Acid (PFOA) | 70.2 | | ng/l | 1.93 | 0.228 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 2.79 | | ng/l | 1.93 | 1.28 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.93 | 0.664 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.87 | J | ng/l | 1.93 | 0.301 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 15.7 | | ng/l | 1.93 | 0.486 | 1 |
| Perfluorodecanoic Acid (PFDA) | 1.96 | | ng/l | 1.93 | 0.293 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.93 | 1.17 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.93 | 0.625 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 0.919 | JF | ng/l | 1.93 | 0.251 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.93 | 0.946 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.93 | 0.560 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.93 | 0.776 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.93 | 0.359 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.93 | 0.316 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.93 | 0.239 | 1 |
| PFOA/PFOS, Total | 85.9 | | ng/l | 1.93 | 0.228 | 1 |

**Project Name:** 480 FLUSHING AVE
**Lab Number:** L2107715
**Project Number:** FLG1801
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-08
Client ID: CW3-I
Sample Location: BROOKLYN, NY
Date Collected: 02/17/21 11:01
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 79 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 79 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 93 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 68 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 73 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 82 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 77 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 134 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 78 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 84 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 68 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 90 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 43 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 69 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 19 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 40 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 61 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 66 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-09
Client ID: CW3-D
Sample Location: BROOKLYN, NY

Date Collected: 02/17/21 11:41
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/21 00:49
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 14.7 | | ng/l | 2.00 | 0.408 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 34.6 | | ng/l | 2.00 | 0.396 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 5.94 | | ng/l | 2.00 | 0.238 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 25.7 | | ng/l | 2.00 | 0.328 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 18.4 | | ng/l | 2.00 | 0.226 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 7.61 | | ng/l | 2.00 | 0.376 | 1 |
| Perfluorooctanoic Acid (PFOA) | 78.0 | | ng/l | 2.00 | 0.236 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 2.00 | 1.33 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.00 | 0.689 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.45 | J | ng/l | 2.00 | 0.312 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 16.9 | | ng/l | 2.00 | 0.505 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 2.00 | 0.304 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.00 | 1.21 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.00 | 0.649 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 2.00 | 0.260 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.00 | 0.981 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.00 | 0.581 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.00 | 0.805 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.00 | 0.372 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.00 | 0.328 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.00 | 0.248 | 1 |
| PFOA/PFOS, Total | 94.9 | | ng/l | 2.00 | 0.236 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-09 Date Collected: 02/17/21 11:41

Client ID: CW3-D Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 85 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 92 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 102 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 80 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 83 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 93 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 82 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 135 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 79 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 82 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 68 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 76 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 48 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 66 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 22 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 45 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 55 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 73 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-10
Client ID: CW4-S
Sample Location: BROOKLYN, NY

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/21 01:05
Analyst: SG

Date Collected: 02/17/21 07:57
Date Received: 02/17/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 11.2 | | ng/l | 1.92 | 0.391 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 20.1 | | ng/l | 1.92 | 0.379 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 2.99 | | ng/l | 1.92 | 0.228 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 16.4 | | ng/l | 1.92 | 0.314 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 23.9 | | ng/l | 1.92 | 0.216 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 3.14 | | ng/l | 1.92 | 0.360 | 1 |
| Perfluorooctanoic Acid (PFOA) | 124 | | ng/l | 1.92 | 0.226 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 1.52 | J | ng/l | 1.92 | 1.28 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.92 | 0.659 | 1 |
| Perfluorononanoic Acid (PFNA) | 2.34 | | ng/l | 1.92 | 0.299 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 114 | | ng/l | 1.92 | 0.483 | 1 |
| Perfluorodecanoic Acid (PFDA) | 3.14 | | ng/l | 1.92 | 0.291 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.92 | 1.16 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.92 | 0.621 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 0.755 | J | ng/l | 1.92 | 0.249 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.92 | 0.939 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.92 | 0.556 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.92 | 0.770 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.92 | 0.356 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.92 | 0.314 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.92 | 0.238 | 1 |
| PFOA/PFOS, Total | 238 | | ng/l | 1.92 | 0.226 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-10 Date Collected: 02/17/21 07:57

Client ID: CW4-S Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 87 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 71 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 88 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 69 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 76 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 84 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 86 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | **193** | Q | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 94 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 85 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 77 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 141 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 62 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 78 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 22 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 53 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 66 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 77 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-11
Client ID: CW4-I
Sample Location: BROOKLYN, NY

Date Collected: 02/17/21 08:50
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/21 01:22
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 13.2 | | ng/l | 2.01 | 0.409 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 24.0 | | ng/l | 2.01 | 0.397 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 3.17 | | ng/l | 2.01 | 0.239 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 19.0 | | ng/l | 2.01 | 0.329 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 14.8 | | ng/l | 2.01 | 0.226 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 2.86 | | ng/l | 2.01 | 0.377 | 1 |
| Perfluorooctanoic Acid (PFOA) | 60.4 | | ng/l | 2.01 | 0.237 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 2.01 | 1.34 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.01 | 0.690 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.56 | J | ng/l | 2.01 | 0.313 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 68.6 | | ng/l | 2.01 | 0.506 | 1 |
| Perfluorodecanoic Acid (PFDA) | 2.56 | | ng/l | 2.01 | 0.305 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.01 | 1.22 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.01 | 0.650 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 0.377 | JF | ng/l | 2.01 | 0.261 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.01 | 0.983 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.01 | 0.582 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.01 | 0.807 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.01 | 0.373 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.01 | 0.328 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.01 | 0.249 | 1 |
| PFOA/PFOS, Total | 129 | | ng/l | 2.01 | 0.237 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-11 Date Collected: 02/17/21 08:50

Client ID: CW4-I Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 82 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 72 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 81 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 66 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 73 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 76 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 80 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | **149** | Q | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 77 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | **67** | Q | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | **60** | Q | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 89 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 54 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 60 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 20 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 45 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 49 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 67 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-12
Client ID: CW4-D
Sample Location: BROOKLYN, NY

Date Collected: 02/17/21 09:27
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/21 01:38
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 12.4 | | ng/l | 2.08 | 0.424 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 22.2 | | ng/l | 2.08 | 0.411 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 7.52 | | ng/l | 2.08 | 0.247 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 17.4 | | ng/l | 2.08 | 0.340 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 11.4 | | ng/l | 2.08 | 0.234 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 5.88 | | ng/l | 2.08 | 0.390 | 1 |
| Perfluorooctanoic Acid (PFOA) | 54.5 | | ng/l | 2.08 | 0.245 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 2.08 | 1.38 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.08 | 0.714 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.44 | J | ng/l | 2.08 | 0.324 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 19.6 | | ng/l | 2.08 | 0.523 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.440 | J | ng/l | 2.08 | 0.316 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.08 | 1.26 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.08 | 0.673 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 2.08 | 0.270 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.08 | 1.02 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.08 | 0.602 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 1.18 | JF | ng/l | 2.08 | 0.835 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.08 | 0.386 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.08 | 0.340 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.08 | 0.257 | 1 |
| PFOA/PFOS, Total | 74.1 | | ng/l | 2.08 | 0.245 | 1 |

**Project Name:** 480 FLUSHING AVE
**Lab Number:** L2107715
**Project Number:** FLG1801
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-12
Client ID: CW4-D
Sample Location: BROOKLYN, NY
Date Collected: 02/17/21 09:27
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 79 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 86 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 91 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 74 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 76 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 76 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 75 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 116 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 73 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 77 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 63 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 85 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 41 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 68 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 23 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 45 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 55 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 78 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-13
Client ID: MW DUPLICATE 2/16
Sample Location: BROOKLYN, NY

Date Collected: 02/16/21 00:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/21 01:55
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 11.8 | | ng/l | 1.96 | 0.399 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 21.3 | | ng/l | 1.96 | 0.388 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 8.22 | | ng/l | 1.96 | 0.233 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 18.4 | | ng/l | 1.96 | 0.321 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 16.5 | | ng/l | 1.96 | 0.220 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 9.50 | | ng/l | 1.96 | 0.368 | 1 |
| Perfluorooctanoic Acid (PFOA) | 112 | | ng/l | 1.96 | 0.231 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.96 | 1.30 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 1.78 | JF | ng/l | 1.96 | 0.674 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.54 | J | ng/l | 1.96 | 0.305 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 31.1 | | ng/l | 1.96 | 0.493 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.96 | 0.298 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.96 | 1.19 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.96 | 0.634 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.96 | 0.254 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.96 | 0.959 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.96 | 0.568 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.96 | 0.787 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.96 | 0.364 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.96 | 0.320 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.96 | 0.243 | 1 |
| PFOA/PFOS, Total | 143 | | ng/l | 1.96 | 0.231 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-13 Date Collected: 02/16/21 00:00

Client ID: MW DUPLICATE 2/16 Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 75 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 92 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 102 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 78 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 78 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 91 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 76 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 115 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 79 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 87 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 76 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 87 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 55 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 86 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 15 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 61 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 87 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 112 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-14
Client ID: MW DUPLICATE 2/17
Sample Location: BROOKLYN, NY

Date Collected: 02/17/21 00:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/21 02:11
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 11.5 | | ng/l | 1.99 | 0.405 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 19.9 | | ng/l | 1.99 | 0.393 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 2.91 | | ng/l | 1.99 | 0.236 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 16.2 | | ng/l | 1.99 | 0.326 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 24.4 | | ng/l | 1.99 | 0.224 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 3.59 | | ng/l | 1.99 | 0.373 | 1 |
| Perfluorooctanoic Acid (PFOA) | 124 | | ng/l | 1.99 | 0.234 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 1.41 | J | ng/l | 1.99 | 1.32 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.99 | 0.683 | 1 |
| Perfluorononanoic Acid (PFNA) | 2.50 | | ng/l | 1.99 | 0.310 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 112 | | ng/l | 1.99 | 0.500 | 1 |
| Perfluorodecanoic Acid (PFDA) | 2.63 | | ng/l | 1.99 | 0.302 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.99 | 1.20 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.99 | 0.643 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 0.759 | J | ng/l | 1.99 | 0.258 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.99 | 0.973 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.99 | 0.576 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.99 | 0.798 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.99 | 0.369 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.99 | 0.325 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.99 | 0.246 | 1 |
| PFOA/PFOS, Total | 236 | | ng/l | 1.99 | 0.234 | 1 |

**Project Name:** 480 FLUSHING AVE
**Lab Number:** L2107715
**Project Number:** FLG1801
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-14
Client ID: MW DUPLICATE 2/17
Sample Location: BROOKLYN, NY
Date Collected: 02/17/21 00:00
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 88 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 75 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 93 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 70 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 77 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 81 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 87 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | **196** | Q | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 92 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 87 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 78 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 126 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 65 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 80 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 17 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 66 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 68 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 81 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-15
Client ID: RINSATE BLANK 2/16
Sample Location: BROOKLYN, NY

Date Collected: 02/16/21 07:09
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/21 02:28
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.80 | 0.367 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.80 | 0.356 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.80 | 0.214 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.80 | 0.295 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.80 | 0.202 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.80 | 0.338 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 1.80 | 0.212 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.80 | 1.20 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.80 | 0.618 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 1.80 | 0.280 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 1.80 | 0.453 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.80 | 0.273 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.80 | 1.09 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.80 | 0.582 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.80 | 0.234 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.80 | 0.881 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.80 | 0.521 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.80 | 0.722 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.80 | 0.334 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.80 | 0.294 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.80 | 0.223 | 1 |
| PFOA/PFOS, Total | ND | | ng/l | 1.80 | 0.212 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-15 Date Collected: 02/16/21 07:09

Client ID: RINSATE BLANK 2/16 Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 87 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 110 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 110 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 100 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 92 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 92 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 87 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 77 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 86 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 91 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 85 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 78 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 66 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 91 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 41 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 54 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 75 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 90 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-16
Client ID: RINSATE BLANK 2/17
Sample Location: BROOKLYN, NY

Date Collected: 02/17/21 06:59
Date Received: 02/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/21 02:45
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.75 | 0.357 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.75 | 0.346 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.75 | 0.208 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.75 | 0.287 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.75 | 0.197 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.75 | 0.329 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 1.75 | 0.206 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.75 | 1.16 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.75 | 0.602 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 1.75 | 0.273 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 1.75 | 0.441 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.75 | 0.266 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.75 | 1.06 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.75 | 0.567 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.75 | 0.227 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.75 | 0.857 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.75 | 0.507 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.75 | 0.703 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.75 | 0.325 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.75 | 0.286 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.75 | 0.217 | 1 |
| PFOA/PFOS, Total | ND | | ng/l | 1.75 | 0.206 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2107715

**Project Number:** FLG1801 **Report Date:** 02/26/21

## SAMPLE RESULTS

Lab ID: L2107715-16 Date Collected: 02/17/21 06:59

Client ID: RINSATE BLANK 2/17 Date Received: 02/17/21

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 94 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 117 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 118 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 105 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 99 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 99 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 90 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 80 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 88 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 91 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 85 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 69 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 60 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 83 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 46 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 49 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 71 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 82 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/21 21:13
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-16 Batch: WG1467260-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 2.00 | 0.408 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 2.00 | 0.396 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 2.00 | 0.238 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 2.00 | 0.328 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 2.00 | 0.225 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 2.00 | 0.376 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 2.00 | 0.236 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 2.00 | 1.33 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.00 | 0.688 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 2.00 | 0.312 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 2.00 | 0.504 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 2.00 | 0.304 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.00 | 1.21 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.00 | 0.648 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 2.00 | 0.260 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.00 | 0.980 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.00 | 0.580 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.00 | 0.804 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.00 | 0.372 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.00 | 0.327 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.00 | 0.248 |
| PFOA/PFOS, Total | ND | | ng/l | 2.00 | 0.236 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/21 21:13
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/23/21 08:55

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-16 Batch: WG1467260-1 | | | | | |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 95 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 119 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 114 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 101 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 99 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 101 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 94 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 81 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 97 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 100 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 94 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 66 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 61 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 102 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 43 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 74 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 85 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 90 | | 22-136 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2107715
**Report Date:** 02/26/21

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-16 Batch: WG1467260-2 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 127 | | - | | 67-148 | - | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 128 | | - | | 63-161 | - | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 130 | | - | | 65-157 | - | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 129 | | - | | 69-168 | - | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 127 | | - | | 58-159 | - | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 122 | | - | | 69-177 | - | | 30 |
| Perfluorooctanoic Acid (PFOA) | 133 | | - | | 63-159 | - | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 132 | | - | | 49-187 | - | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 131 | | - | | 61-179 | - | | 30 |
| Perfluorononanoic Acid (PFNA) | 125 | | - | | 68-171 | - | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 119 | | - | | 52-151 | - | | 30 |
| Perfluorodecanoic Acid (PFDA) | 124 | | - | | 63-171 | - | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 117 | | - | | 56-173 | - | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 150 | | - | | 60-166 | - | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 123 | | - | | 60-153 | - | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 112 | | - | | 38-156 | - | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 127 | | - | | 46-170 | - | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 135 | | - | | 45-170 | - | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 147 | | - | | 67-153 | - | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | **160** | Q | - | | 48-158 | - | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 135 | | - | | 59-182 | - | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2107715
**Report Date:** 02/26/21

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-16 Batch: WG1467260-2 | | | | | | | | |

| Surrogate (Extracted Internal Standard) | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 94 | | | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 112 | | | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 107 | | | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 98 | | | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 96 | | | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 108 | | | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 91 | | | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 84 | | | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 95 | | | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 98 | | | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 94 | | | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 99 | | | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 62 | | | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 96 | | | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 45 | | | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 65 | | | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 80 | | | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 88 | | | | 22-136 |

# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2107715
**Report Date:** 02/26/21

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1467260-3 WG1467260-4 QC Sample: L2107715-02 Client ID: CW1-I | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 10.0 | 38.8 | 59.4 | 127 | | 59.3 | 125 | | 67-148 | 0 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 15.2 | 38.8 | 64.6 | 127 | | 64.4 | 125 | | 63-161 | 0 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 6.18 | 34.5 | 50.0 | 127 | | 50.7 | 127 | | 65-157 | 1 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 13.4 | 38.8 | 62.7 | 127 | | 63.9 | 128 | | 69-168 | 2 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 11.7 | 38.8 | 61.8 | 129 | | 60.3 | 123 | | 58-159 | 2 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 6.78 | 35.5 | 50.9 | 124 | | 58.0 | 142 | | 69-177 | 13 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 74.7 | 38.8 | 126 | 132 | | 125 | 128 | | 63-159 | 1 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | 37 | 51.0 | 138 | | 50.3 | 134 | | 49-187 | 1 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | 37 | 45.8 | 124 | | 48.2 | 129 | | 61-179 | 5 | | 30 |
| Perfluorononanoic Acid (PFNA) | 1.70J | 38.8 | 50.3 | 125 | | 49.2 | 121 | | 68-171 | 2 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 38.9 | 36 | 79.8 | 114 | | 80.7 | 114 | | 52-151 | 1 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 0.332JF | 38.8 | 48.8 | 125 | | 50.5 | 127 | | 63-171 | 3 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 37.3 | 51.9 | 139 | | 59.3 | 157 | | 56-173 | 13 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 38.8 | 58.4 | 150 | | 56.2 | 143 | | 60-166 | 4 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 38.8 | 51.2 | 132 | | 51.5 | 131 | | 60-153 | 1 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 37.4 | 44.8 | 120 | | 46.4 | 122 | | 38-156 | 4 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | ND | 38.8 | 48.6F | 125 | | 55.5F | 141 | | 46-170 | 13 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | 38.8 | 49.9 | 129 | | 62.4 | 158 | | 45-170 | 22 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | ND | 38.8 | 54.9 | 141 | | 60.0 | 152 | | 67-153 | 9 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 38.8 | 61.5 | 158 | | 67.2 | **171** | Q | 48-158 | 9 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | ND | 38.8 | 55.4 | 143 | | 57.7 | 146 | | 59-182 | 4 | | 30 |

# Matrix Spike Analysis

***Batch Quality Control***

***Project Name:*** 480 FLUSHING AVE

***Project Number:*** FLG1801

***Lab Number:*** L2107715

***Report Date:*** 02/26/21

| *Parameter* | *Native Sample* | *MS Added* | *MS Found* | *MS %Recovery* | *Qual* | *MSD Found* | *MSD %Recovery* | *Qual* | *Recovery Limits* | *RPD* | *Qual* | *RPD Limits* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1467260-3 WG1467260-4 QC Sample: L2107715-02 Client ID: CW1-I

| *Surrogate (Extracted Internal Standard)* | *MS % Recovery* | *MS Qualifier* | *MSD % Recovery* | *MSD Qualifier* | *Acceptance Criteria* |
|---|---|---|---|---|---|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 98 | | 83 | | 10-162 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | **155** | Q | **148** | Q | 14-147 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 56 | | 44 | | 27-126 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 51 | | 47 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 77 | | 70 | | 55-137 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 78 | | 70 | | 62-124 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 77 | | 74 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 82 | | 78 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 98 | | 80 | | 71-134 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 69 | | 61 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 73 | | 68 | | 22-136 |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 86 | | 81 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 91 | | 87 | | 62-163 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 12 | | 17 | | 10-112 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 90 | | 83 | | 69-131 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 85 | | 79 | | 62-129 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 87 | | 84 | | 59-139 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 96 | | 90 | | 70-131 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2107715
**Report Date:** 02/26/21

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2107715-01A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-01B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-02A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-02A1 | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-02A2 | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-02B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-02B1 | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-02B2 | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-03A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-03B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-04A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-04B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-05A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-05B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-06A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-06B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-07A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-07B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-08A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-08B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-09A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-09B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-10A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |



*Values in parentheses indicate holding time in days

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2107715
**Report Date:** 02/26/21

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2107715-10B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-11A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-11B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-12A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-12B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-13A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-13B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-14A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-14B | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-15A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2107715-16A | Plastic 250ml unpreserved | A | NA | | 3.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |



*Values in parentheses indicate holding time in days

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2107715
**Report Date:** 02/26/21

## PFAS PARAMETER SUMMARY

| Parameter | Acronym | CAS Number |
|---|---|---|
| PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs) | | |
| Perfluorooctadecanoic Acid | PFODA | 16517-11-6 |
| Perfluorohexadecanoic Acid | PFHxDA | 67905-19-5 |
| Perfluorotetradecanoic Acid | PFTA | 376-06-7 |
| Perfluorotridecanoic Acid | PFTrDA | 72629-94-8 |
| Perfluorododecanoic Acid | PFDoA | 307-55-1 |
| Perfluoroundecanoic Acid | PFUnA | 2058-94-8 |
| Perfluorodecanoic Acid | PFDA | 335-76-2 |
| Perfluorononanoic Acid | PFNA | 375-95-1 |
| Perfluorooctanoic Acid | PFOA | 335-67-1 |
| Perfluoroheptanoic Acid | PFHpA | 375-85-9 |
| Perfluorohexanoic Acid | PFHxA | 307-24-4 |
| Perfluoropentanoic Acid | PFPeA | 2706-90-3 |
| Perfluorobutanoic Acid | PFBA | 375-22-4 |
| PERFLUOROALKYL SULFONIC ACIDS (PFSAs) | | |
| Perfluorododecanesulfonic Acid | PFDoDS | 79780-39-5 |
| Perfluorodecanesulfonic Acid | PFDS | 335-77-3 |
| Perfluorononanesulfonic Acid | PFNS | 68259-12-1 |
| Perfluorooctanesulfonic Acid | PFOS | 1763-23-1 |
| Perfluoroheptanesulfonic Acid | PFHpS | 375-92-8 |
| Perfluorohexanesulfonic Acid | PFHxS | 355-46-4 |
| Perfluoropentanesulfonic Acid | PFPeS | 2706-91-4 |
| Perfluorobutanesulfonic Acid | PFBS | 375-73-5 |
| FLUOROTELOMERS | | |
| 1H,1H,2H,2H-Perfluorododecanesulfonic Acid | 10:2FTS | 120226-60-0 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid | 8:2FTS | 39108-34-4 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid | 6:2FTS | 27619-97-2 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid | 4:2FTS | 757124-72-4 |
| PERFLUOROALKANE SULFONAMIDES (FASAs) | | |
| Perfluorooctanesulfonamide | FOSA | 754-91-6 |
| N-Ethyl Perfluorooctane Sulfonamide | NEtFOSA | 4151-50-2 |
| N-Methyl Perfluorooctane Sulfonamide | NMeFOSA | 31506-32-8 |
| PERFLUOROALKANE SULFONYL SUBSTANCES | | |
| N-Ethyl Perfluorooctanesulfonamido Ethanol | NEtFOSE | 1691-99-2 |
| N-Methyl Perfluorooctanesulfonamido Ethanol | NMeFOSE | 24448-09-7 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid | NEtFOSAA | 2991-50-6 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid | NMeFOSAA | 2355-31-9 |
| PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS | | |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid | HFPO-DA | 13252-13-6 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid | ADONA | 919005-14-4 |
| CHLORO-PERFLUOROALKYL SULFONIC ACIDS | | |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | 11Cl-PF3OUdS | 763051-92-9 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid | 9Cl-PF3ONS | 756426-58-1 |
| PERFLUOROETHER SULFONIC ACIDS (PFESAs) | | |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid | PFEESA | 113507-82-7 |
| PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs) | | |
| Perfluoro-3-Methoxypropanoic Acid | PFMPA | 377-73-1 |
| Perfluoro-4-Methoxybutanoic Acid | PFMBA | 863090-89-5 |
| Nonafluoro-3,6-Dioxaheptanoic Acid | NFDHA | 151772-58-6 |

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2107715 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/26/21 |

## GLOSSARY

***Acronyms***

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2107715 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/26/21 |

***Footnotes***

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

***Terms***

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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

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

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

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The lower value for the two columns has been reported due to obvious interference.

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

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2107715 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/26/21 |

***Data Qualifiers***

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2107715 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/26/21 |

## REFERENCES

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

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

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

# Certification Information

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

**Westborough Facility**
**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene
**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
**EPA 8270D/8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
**SM4500**: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

**Mansfield Facility**
**SM 2540D:** TSS
**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:**

***Drinking Water***
**EPA 300.0**: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
**EPA 332**: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

***Non-Potable Water***
**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
**EPA 624.1**: Volatile Halocarbons & Aromatics,
**EPA 608.3**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625.1**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

**Mansfield Facility:**

***Drinking Water***
**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
**EPA 522, EPA 537.1.**

***Non-Potable Water***
**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
**EPA 200.8:** Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
**EPA 245.1** Hg.
**SM2340B**

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

# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 2

Date Rec'd in Lab: 2/18/21

ALPHA Job #: L2107715

## Client Information

Client: EBC
Address: 1808 Middle County Rd
Ridge NY 11961
Phone: 631-504-6000
Fax:
Email: CREILLY@EBCENG.com

## Project Information

Project Name: 480 Flushing Avenue
Project Location: Brooklyn, NY
Project #: FLG1801
(Use Project name as Project #)
Project Manager: Chawinit Reilly
ALPHAQuote #:

## Turn-Around Time

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

These samples have been previously analyzed by Alpha [ ]

**Other project specific requirements/comments:**

**Please specify Metals or TAL.**

## Deliverables

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

## Regulatory Requirement

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

## Billing Information

[ ] Same as Client Info
PO #

## Disposal Site Information

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

## Sample Filtration

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

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PFAS 537.1 | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|
| 7715-01 | CW1-S | 2/16 | 10:25 | GW | | X | | 2 |
| -02 | CW1-I | 2/16 | 8:45 | GW | | X | MS/MSD | 6 |
| -03 | CW1-D | 2/16 | 9:42 | GW | | X | | 2 |
| -04 | CW2-S | 2/16 | 1:45 | GW | | X | | 2 |
| -05 | CW2-I | 2/16 | 1:10 | GW | | X | | 2 |
| -06 | CW2-D | 2/16 | 12:45 | GW | | X | | 2 |
| -07 | CW3-S | 2/17 | 10:22 | GW | | X | | 2 |
| -08 | CW3-I | 2/17 | 11:01 | GW | | X | | 2 |
| -09 | CW3-D | 2/17 | 11:41 | GW | | X | | 2 |
| -10 | CW4-S | 2/17 | 7:59 | GW | | X | | 2 |

Container Type: P
Preservative: A

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

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

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

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 2/17/21 17:30 | | 2/17/21 17:30 |
| | 2/17/21 20:00 | | 2/17/21 20:00 |
| Wendy Marrin | 2/18/21 4:00 | | 2/18/21 00:20 |

ARC - ARC 2/18/21 0540

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 2 of 2

Date Rec'd in Lab: 2/18/21

ALPHA Job # L2107715

**Client Information**
Client: EBC
Address: 1908 Middle (County Rd) Ridge NJ 11961
Phone: 631-504-6000
Fax:
Email:

**Project Information**
Project Name: 480 Flushing Ave
Project Location: Brooklyn NY
Project #: FLG1801
(Use Project name as Project #)
Project Manager:
ALPHAQuote #:

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

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

**Billing Information**
- ☐ Same as Client Info
PO #

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

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

These samples have been previously analyzed by Alpha ☐

**Other project specific requirements/comments:**

**Please specify Metals or TAL.**

**ANALYSIS**

PFAS 537.1

**Sample Filtration**
- ☐ Done
- ☐ Lab to do

**Preservation**
- ☐ Lab to do

*(Please Specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | PFAS 537.1 | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|
| -11 | CW4-I | 2/17 | 8:50 | GW | | X | | 2 |
| -12 | CW4-D | 2/17 | 9:27 | GW | | X | | 2 |
| -13 | MW Duplicate 2/16 | 2/16 | — | GW | | X | | 2 |
| -14 | MW Duplicate 2/17 | 2/17 | — | GW | | X | | 2 |
| -15 | Rinsate blank 2/16 | 2/16 | 7:08 | GW | | X | | 1 |
| -16 | Rinsate blank 2/17 | 2/17 | 6:59 | GW | | X | | 1 |

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

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

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

| Container Type | P | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Preservative | A | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 2/17/21 1622 | | 2/17/21 1622 |
| | 2/17/21 1848 | | 2/17/21 2000 |
| | 2/18/21 0027 | | 2/18/21 00:20 |
| Wendy Mooney | 2/18/21 4:00 | | |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

MCL -AAC 2/18/21 0540

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L2103965 |
| Client: | Environmental Business Consultants Inc<br>1808 Middle Country Road<br>Ridge, NY 11961 |
| ATTN: | Chawinie Reilly |
| Phone: | (631) 504-6000 |
| Project Name: | 480 FLUSHING AVE |
| Project Number: | FLG1801 |
| Report Date: | 02/08/21 |

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L2103965-01 | SB20-01 (20-25) | SOIL | BROOKLYN | 01/25/21 13:22 | 01/26/21 |
| L2103965-02 | SB20-01 (25-30) | SOIL | BROOKLYN | 01/25/21 13:32 | 01/26/21 |
| L2103965-03 | SB20-01 (30-35) | SOIL | BROOKLYN | 01/25/21 13:42 | 01/26/21 |
| L2103965-04 | SB20-02 (20-25) | SOIL | BROOKLYN | 01/25/21 14:27 | 01/26/21 |
| L2103965-05 | SB20-02 (25-30) | SOIL | BROOKLYN | 01/25/21 14:31 | 01/26/21 |
| L2103965-06 | SB20-02 (30-35) | SOIL | BROOKLYN | 01/25/21 14:45 | 01/26/21 |
| L2103965-07 | SOIL DUPLICATE | SOIL | BROOKLYN | 01/25/21 00:00 | 01/26/21 |
| L2103965-08 | RINSATE BLANK SOIL | WATER | BROOKLYN | 01/25/21 12:18 | 01/26/21 |
| L2103965-09 | TRIP BLANK | WATER | BROOKLYN | 01/22/21 00:00 | 01/26/21 |

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2103965 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/08/21 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2103965 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/08/21 |

**Case Narrative (continued)**

Report Submission

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

Sample Receipt

L2103965-09: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

Perfluorinated Alkyl Acids by Isotope Dilution

L2103965-08: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1460071-1 and WG1460071-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

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

Authorized Signature: Elizabeth Porta

Title: Technical Director/Representative Date: 02/08/21

# ORGANICS

# SEMIVOLATILES

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-01
Client ID: SB20-01 (20-25)
Sample Location: BROOKLYN

Date Collected: 01/25/21 13:22
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/29/21 05:06
Analyst: HT
Percent Solids: 81%

Extraction Method: ALPHA 23528
Extraction Date: 01/28/21 09:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/g | 0.548 | 0.025 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/g | 0.548 | 0.050 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/g | 0.274 | 0.043 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/g | 0.548 | 0.058 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/g | 0.274 | 0.049 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/g | 0.274 | 0.066 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/g | 0.274 | 0.046 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/g | 0.548 | 0.197 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/g | 0.548 | 0.150 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/g | 0.274 | 0.082 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/g | 0.274 | 0.142 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/g | 0.274 | 0.073 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/g | 0.548 | 0.314 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/g | 0.548 | 0.221 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/g | 0.548 | 0.051 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/g | 0.548 | 0.168 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/g | 0.548 | 0.107 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/g | 0.548 | 0.093 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/g | 0.548 | 0.077 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/g | 0.548 | 0.224 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/g | 0.548 | 0.059 | 1 |
| PFOA/PFOS, Total | ND | | ng/g | 0.274 | 0.046 | 1 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-01
Client ID: SB20-01 (20-25)
Sample Location: BROOKLYN
Date Collected: 01/25/21 13:22
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 103 | | 61-135 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 112 | | 58-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 119 | | 74-139 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 119 | | 66-128 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 110 | | 71-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 119 | | 78-139 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 104 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 63 | | 20-154 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 114 | | 72-140 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 104 | | 79-136 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 105 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 73 | | 19-175 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 68 | | 31-134 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 102 | | 61-155 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 98 | | 10-117 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 58 | | 34-137 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 93 | | 54-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 72 | | 24-159 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-02
Client ID: SB20-01 (25-30)
Sample Location: BROOKLYN

Date Collected: 01/25/21 13:32
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/29/21 05:56
Analyst: HT
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 01/28/21 09:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/g | 0.506 | 0.023 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/g | 0.506 | 0.047 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/g | 0.253 | 0.039 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/g | 0.506 | 0.053 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/g | 0.253 | 0.046 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/g | 0.253 | 0.061 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/g | 0.253 | 0.042 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/g | 0.506 | 0.181 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/g | 0.506 | 0.138 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/g | 0.253 | 0.076 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/g | 0.253 | 0.131 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/g | 0.253 | 0.068 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/g | 0.506 | 0.290 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/g | 0.506 | 0.204 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/g | 0.506 | 0.047 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/g | 0.506 | 0.155 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/g | 0.506 | 0.099 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/g | 0.506 | 0.085 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/g | 0.506 | 0.071 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/g | 0.506 | 0.207 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/g | 0.506 | 0.055 | 1 |
| PFOA/PFOS, Total | ND | | ng/g | 0.253 | 0.042 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2103965

**Project Number:** FLG1801 **Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-02 Date Collected: 01/25/21 13:32

Client ID: SB20-01 (25-30) Date Received: 01/26/21

Sample Location: BROOKLYN Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 105 | | 61-135 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 112 | | 58-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 119 | | 74-139 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 122 | | 66-128 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 114 | | 71-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 117 | | 78-139 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 107 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 67 | | 20-154 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 115 | | 72-140 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 104 | | 79-136 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 109 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 82 | | 19-175 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 67 | | 31-134 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 103 | | 61-155 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 83 | | 10-117 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 56 | | 34-137 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 95 | | 54-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 71 | | 24-159 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-03
Client ID: SB20-01 (30-35)
Sample Location: BROOKLYN

Date Collected: 01/25/21 13:42
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/29/21 06:12
Analyst: HT
Percent Solids: 78%

Extraction Method: ALPHA 23528
Extraction Date: 01/28/21 09:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/g | 0.582 | 0.026 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/g | 0.582 | 0.054 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/g | 0.291 | 0.045 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/g | 0.582 | 0.061 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/g | 0.291 | 0.053 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/g | 0.291 | 0.070 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/g | 0.291 | 0.049 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/g | 0.582 | 0.209 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/g | 0.582 | 0.159 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/g | 0.291 | 0.087 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/g | 0.291 | 0.151 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/g | 0.291 | 0.078 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/g | 0.582 | 0.334 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/g | 0.582 | 0.234 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/g | 0.582 | 0.055 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/g | 0.582 | 0.178 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/g | 0.582 | 0.114 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/g | 0.582 | 0.098 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/g | 0.582 | 0.082 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/g | 0.582 | 0.238 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/g | 0.582 | 0.063 | 1 |
| PFOA/PFOS, Total | ND | | ng/g | 0.291 | 0.049 | 1 |

**Project Name:** 480 FLUSHING AVE
**Lab Number:** L2103965
**Project Number:** FLG1801
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-03
Client ID: SB20-01 (30-35)
Sample Location: BROOKLYN
Date Collected: 01/25/21 13:42
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 102 | | 61-135 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 110 | | 58-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 110 | | 74-139 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 118 | | 66-128 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 110 | | 71-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 112 | | 78-139 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 104 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 66 | | 20-154 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 111 | | 72-140 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 97 | | 79-136 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 104 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 76 | | 19-175 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 69 | | 31-134 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 102 | | 61-155 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 100 | | 10-117 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 59 | | 34-137 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 92 | | 54-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 68 | | 24-159 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-04
Client ID: SB20-02 (20-25)
Sample Location: BROOKLYN

Date Collected: 01/25/21 14:27
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/29/21 06:29
Analyst: HT
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 01/28/21 09:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/g | 0.552 | 0.025 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/g | 0.552 | 0.051 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/g | 0.276 | 0.043 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/g | 0.552 | 0.058 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/g | 0.276 | 0.050 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/g | 0.276 | 0.067 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/g | 0.276 | 0.046 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/g | 0.552 | 0.198 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/g | 0.552 | 0.150 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/g | 0.276 | 0.083 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/g | 0.276 | 0.143 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/g | 0.276 | 0.074 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/g | 0.552 | 0.316 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/g | 0.552 | 0.222 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/g | 0.552 | 0.052 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/g | 0.552 | 0.169 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/g | 0.552 | 0.108 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/g | 0.552 | 0.093 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/g | 0.552 | 0.077 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/g | 0.552 | 0.226 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/g | 0.552 | 0.060 | 1 |
| PFOA/PFOS, Total | ND | | ng/g | 0.276 | 0.046 | 1 |

**Project Name:** 480 FLUSHING AVE **Lab Number:** L2103965

**Project Number:** FLG1801 **Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-04 Date Collected: 01/25/21 14:27

Client ID: SB20-02 (20-25) Date Received: 01/26/21

Sample Location: BROOKLYN Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 107 | | 61-135 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 116 | | 58-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 124 | | 74-139 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 123 | | 66-128 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 115 | | 71-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 125 | | 78-139 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 109 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 71 | | 20-154 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 120 | | 72-140 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 111 | | 79-136 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 109 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 82 | | 19-175 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 68 | | 31-134 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 108 | | 61-155 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 103 | | 10-117 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 58 | | 34-137 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 98 | | 54-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 61 | | 24-159 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-05
Client ID: SB20-02 (25-30)
Sample Location: BROOKLYN

Date Collected: 01/25/21 14:31
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/29/21 06:46
Analyst: HT
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 01/28/21 09:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/g | 0.610 | 0.028 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/g | 0.610 | 0.056 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/g | 0.305 | 0.048 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/g | 0.610 | 0.064 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/g | 0.305 | 0.055 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/g | 0.305 | 0.074 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/g | 0.305 | 0.051 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/g | 0.610 | 0.219 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/g | 0.610 | 0.166 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/g | 0.305 | 0.092 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/g | 0.305 | 0.158 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/g | 0.305 | 0.082 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/g | 0.610 | 0.350 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/g | 0.610 | 0.246 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/g | 0.610 | 0.057 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/g | 0.610 | 0.186 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/g | 0.610 | 0.120 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/g | 0.610 | 0.103 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/g | 0.610 | 0.085 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/g | 0.610 | 0.249 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/g | 0.610 | 0.066 | 1 |
| PFOA/PFOS, Total | ND | | ng/g | 0.305 | 0.051 | 1 |

**Project Name:** 480 FLUSHING AVE
**Lab Number:** L2103965
**Project Number:** FLG1801
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-05
Client ID: SB20-02 (25-30)
Sample Location: BROOKLYN
Date Collected: 01/25/21 14:31
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 101 | | 61-135 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 108 | | 58-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 115 | | 74-139 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 114 | | 66-128 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 108 | | 71-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 115 | | 78-139 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 101 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 68 | | 20-154 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 110 | | 72-140 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 107 | | 79-136 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 102 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 82 | | 19-175 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 70 | | 31-134 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 101 | | 61-155 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 93 | | 10-117 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 47 | | 34-137 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 88 | | 54-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 59 | | 24-159 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-06
Client ID: SB20-02 (30-35)
Sample Location: BROOKLYN

Date Collected: 01/25/21 14:45
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/29/21 07:02
Analyst: HT
Percent Solids: 77%

Extraction Method: ALPHA 23528
Extraction Date: 01/28/21 09:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/g | 0.571 | 0.026 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/g | 0.571 | 0.053 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/g | 0.286 | 0.045 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/g | 0.571 | 0.060 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/g | 0.286 | 0.052 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/g | 0.286 | 0.069 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/g | 0.286 | 0.048 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/g | 0.571 | 0.205 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/g | 0.571 | 0.156 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/g | 0.286 | 0.086 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/g | 0.286 | 0.148 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/g | 0.286 | 0.077 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/g | 0.571 | 0.328 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/g | 0.571 | 0.230 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/g | 0.571 | 0.053 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/g | 0.571 | 0.175 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/g | 0.571 | 0.112 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/g | 0.571 | 0.097 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/g | 0.571 | 0.080 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/g | 0.571 | 0.234 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/g | 0.571 | 0.062 | 1 |
| PFOA/PFOS, Total | ND | | ng/g | 0.286 | 0.048 | 1 |

**Project Name:** 480 FLUSHING AVE
**Lab Number:** L2103965
**Project Number:** FLG1801
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-06
Client ID: SB20-02 (30-35)
Sample Location: BROOKLYN
Date Collected: 01/25/21 14:45
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 110 | | 61-135 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 119 | | 58-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 125 | | 74-139 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 124 | | 66-128 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 118 | | 71-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 124 | | 78-139 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 112 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 74 | | 20-154 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 121 | | 72-140 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 113 | | 79-136 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 114 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 94 | | 19-175 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 75 | | 31-134 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 114 | | 61-155 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 97 | | 10-117 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 66 | | 34-137 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 98 | | 54-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 74 | | 24-159 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-07
Client ID: SOIL DUPLICATE
Sample Location: BROOKLYN
Date Collected: 01/25/21 00:00
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/29/21 07:19
Analyst: HT
Percent Solids: 77%
Extraction Method: ALPHA 23528
Extraction Date: 01/28/21 09:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/g | 0.571 | 0.026 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/g | 0.571 | 0.053 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/g | 0.286 | 0.045 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/g | 0.571 | 0.060 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/g | 0.286 | 0.052 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/g | 0.286 | 0.069 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/g | 0.286 | 0.048 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/g | 0.571 | 0.205 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/g | 0.571 | 0.156 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/g | 0.286 | 0.086 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/g | 0.286 | 0.148 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/g | 0.286 | 0.077 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/g | 0.571 | 0.328 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/g | 0.571 | 0.230 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/g | 0.571 | 0.054 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/g | 0.571 | 0.175 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/g | 0.571 | 0.112 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/g | 0.571 | 0.097 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/g | 0.571 | 0.080 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/g | 0.571 | 0.234 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/g | 0.571 | 0.062 | 1 |
| PFOA/PFOS, Total | ND | | ng/g | 0.286 | 0.048 | 1 |

**Project Name:** 480 FLUSHING AVE
**Lab Number:** L2103965
**Project Number:** FLG1801
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-07
Client ID: SOIL DUPLICATE
Sample Location: BROOKLYN
Date Collected: 01/25/21 00:00
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 106 | | 61-135 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 113 | | 58-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 123 | | 74-139 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 123 | | 66-128 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 114 | | 71-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 121 | | 78-139 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 108 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 70 | | 20-154 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 114 | | 72-140 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 110 | | 79-136 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 108 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 85 | | 19-175 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 87 | | 31-134 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 108 | | 61-155 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 103 | | 10-117 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 65 | | 34-137 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 97 | | 54-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 76 | | 24-159 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-08
Client ID: RINSATE BLANK SOIL
Sample Location: BROOKLYN
Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/30/21 12:42
Analyst: SG

Date Collected: 01/25/21 12:18
Date Received: 01/26/21
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 01/29/21 16:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.86 | 0.380 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.86 | 0.369 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.86 | 0.222 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.86 | 0.305 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.86 | 0.210 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.86 | 0.350 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 1.86 | 0.220 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 4.22 | | ng/l | 1.86 | 1.24 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.86 | 0.640 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 1.86 | 0.290 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 1.86 | 0.469 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.86 | 0.283 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.86 | 1.13 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.86 | 0.603 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.86 | 0.242 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.86 | 0.912 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.86 | 0.540 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.86 | 0.749 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.86 | 0.346 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.86 | 0.305 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.86 | 0.231 | 1 |
| PFOA/PFOS, Total | ND | | ng/l | 1.86 | 0.220 | 1 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-08
Client ID: RINSATE BLANK SOIL
Sample Location: BROOKLYN
Date Collected: 01/25/21 12:18
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 111 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 128 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 130 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | **132** | Q | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 122 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 126 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 111 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 68 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 114 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 110 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 107 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 77 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 72 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 105 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 67 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 69 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 93 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 73 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/29/21 04:33
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 01/28/21 09:37

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1459608-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/g | 0.500 | 0.023 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/g | 0.500 | 0.046 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/g | 0.250 | 0.039 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/g | 0.500 | 0.053 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/g | 0.250 | 0.045 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/g | 0.250 | 0.061 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/g | 0.250 | 0.042 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/g | 0.500 | 0.180 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/g | 0.500 | 0.136 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/g | 0.250 | 0.075 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/g | 0.250 | 0.130 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/g | 0.250 | 0.067 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/g | 0.500 | 0.287 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/g | 0.500 | 0.202 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/g | 0.500 | 0.047 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/g | 0.500 | 0.153 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/g | 0.500 | 0.098 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/g | 0.500 | 0.085 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/g | 0.500 | 0.070 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/g | 0.500 | 0.204 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/g | 0.500 | 0.054 |
| PFOA/PFOS, Total | ND | | ng/g | 0.250 | 0.042 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/29/21 04:33
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 01/28/21 09:37

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1459608-1 | | | | | |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 108 | | 61-135 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 119 | | 58-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 126 | | 74-139 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 125 | | 66-128 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 117 | | 71-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 124 | | 78-139 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 112 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 67 | | 20-154 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 120 | | 72-140 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 111 | | 79-136 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 112 | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 84 | | 19-175 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 76 | | 31-134 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 112 | | 61-155 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 44 | | 10-117 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 60 | | 34-137 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 99 | | 54-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 75 | | 24-159 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/30/21 12:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 01/29/21 16:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08 Batch: WG1460071-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 2.00 | 0.408 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 2.00 | 0.396 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 2.00 | 0.238 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 2.00 | 0.328 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 2.00 | 0.225 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 2.00 | 0.376 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 2.00 | 0.236 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 2.00 | 1.33 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.00 | 0.688 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 2.00 | 0.312 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 2.00 | 0.504 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 2.00 | 0.304 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.00 | 1.21 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.00 | 0.648 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 2.00 | 0.260 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.00 | 0.980 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.00 | 0.580 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.00 | 0.804 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.00 | 0.372 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.00 | 0.327 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.00 | 0.248 |
| PFOA/PFOS, Total | ND | | ng/l | 2.00 | 0.236 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/30/21 12:09
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 01/29/21 16:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08 Batch: WG1460071-1 | | | | | |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 110 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 126 | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 130 | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | **131** | Q | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 120 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 127 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 110 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 63 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 112 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 112 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 110 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 66 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 74 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 106 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 67 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 69 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 96 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 72 | | 22-136 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/31/21 11:48
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 01/29/21 16:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08 Batch: WG1460071-1 | | | | | |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.00 | 0.580 |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 68 | | 10-112 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1459608-2 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 94 | | - | | 71-135 | - | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 98 | | - | | 69-132 | - | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 105 | | - | | 72-128 | - | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 97 | | - | | 70-132 | - | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 98 | | - | | 71-131 | - | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 97 | | - | | 67-130 | - | | 30 |
| Perfluorooctanoic Acid (PFOA) | 97 | | - | | 69-133 | - | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 106 | | - | | 64-140 | - | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 110 | | - | | 70-132 | - | | 30 |
| Perfluorononanoic Acid (PFNA) | 89 | | - | | 72-129 | - | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 106 | | - | | 68-136 | - | | 30 |
| Perfluorodecanoic Acid (PFDA) | 98 | | - | | 69-133 | - | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 107 | | - | | 65-137 | - | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 112 | | - | | 63-144 | - | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 103 | | - | | 64-136 | - | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 112 | | - | | 59-134 | - | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 91 | | - | | 67-137 | - | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 103 | | - | | 61-139 | - | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 102 | | - | | 69-135 | - | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | 98 | | - | | 66-139 | - | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 112 | | - | | 69-133 | - | | 30 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 480 FLUSHING AVE

**Project Number:** FLG1801

**Lab Number:** L2103965

**Report Date:** 02/08/21

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1459608-2 | | | | | | | | |

| Surrogate (Extracted Internal Standard) | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 108 | | | | 61-135 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 116 | | | | 58-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 120 | | | | 74-139 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 128 | | | | 66-128 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 119 | | | | 71-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 121 | | | | 78-139 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 114 | | | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 69 | | | | 20-154 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 120 | | | | 72-140 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 108 | | | | 79-136 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 112 | | | | 75-130 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 80 | | | | 19-175 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 71 | | | | 31-134 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 109 | | | | 61-155 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 42 | | | | 10-117 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 67 | | | | 34-137 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 99 | | | | 54-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 75 | | | | 24-159 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 480 FLUSHING AVE

**Project Number:** FLG1801

**Lab Number:** L2103965

**Report Date:** 02/08/21

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08 Batch: WG1460071-2 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 90 | | - | | 67-148 | - | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 94 | | - | | 63-161 | - | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 99 | | - | | 65-157 | - | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 94 | | - | | 69-168 | - | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 91 | | - | | 58-159 | - | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 92 | | - | | 69-177 | - | | 30 |
| Perfluorooctanoic Acid (PFOA) | 92 | | - | | 63-159 | - | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 121 | | - | | 49-187 | - | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 102 | | - | | 61-179 | - | | 30 |
| Perfluorononanoic Acid (PFNA) | 88 | | - | | 68-171 | - | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 101 | | - | | 52-151 | - | | 30 |
| Perfluorodecanoic Acid (PFDA) | 92 | | - | | 63-171 | - | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 93 | | - | | 56-173 | - | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 81 | | - | | 60-166 | - | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 97 | | - | | 60-153 | - | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 107 | | - | | 38-156 | - | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 88 | | - | | 46-170 | - | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 87 | | - | | 45-170 | - | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 97 | | - | | 67-153 | - | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | 92 | | - | | 48-158 | - | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 104 | | - | | 59-182 | - | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08 Batch: WG1460071-2 | | | | | | | | |

| Surrogate (Extracted Internal Standard) | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 111 | | | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 126 | | | | 62-163 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 129 | | | | 70-131 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | **135** | Q | | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 123 | | | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 125 | | | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 115 | | | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 65 | | | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 115 | | | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 112 | | | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 111 | | | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 77 | | | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 82 | | | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 106 | | | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 66 | | | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 73 | | | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 97 | | | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 75 | | | | 22-136 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08 Batch: WG1460071-2 | | | | | | | | |
| Perfluorooctanesulfonamide (FOSA) | 96 | | - | | 46-170 | - | | 30 |

| Surrogate (Extracted Internal Standard) | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 72 | | | | 10-112 |

# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1459608-3 WG1459608-4 QC Sample: L2103965-01 Client ID: SB20-01 (20-25) | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | 5.94 | 5.52 | 93 | | 5.68 | 94 | | 71-135 | 3 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | ND | 5.94 | 5.78 | 97 | | 5.88 | 98 | | 69-132 | 2 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | 5.28 | 5.58 | 106 | | 5.46 | 102 | | 72-128 | 2 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | ND | 5.94 | 5.95 | 100 | | 5.87 | 98 | | 70-132 | 1 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | ND | 5.94 | 5.78 | 97 | | 5.84 | 97 | | 71-131 | 1 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | 5.43 | 5.50 | 101 | | 5.39 | 98 | | 67-130 | 2 | | 30 |
| Perfluorooctanoic Acid (PFOA) | ND | 5.94 | 5.82 | 98 | | 5.88 | 98 | | 69-133 | 1 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | 5.66 | 5.70F | 101 | | 6.10 | 107 | | 64-140 | 7 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | 5.66 | 6.18 | 109 | | 6.23 | 109 | | 70-132 | 1 | | 30 |
| Perfluorononanoic Acid (PFNA) | ND | 5.94 | 5.13 | 86 | | 5.31 | 88 | | 72-129 | 3 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | 5.51 | 5.92 | 107 | | 5.96 | 107 | | 68-136 | 1 | | 30 |
| Perfluorodecanoic Acid (PFDA) | ND | 5.94 | 5.75 | 97 | | 5.94 | 99 | | 69-133 | 3 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 5.7 | 5.94F | 104 | | 6.12 | 106 | | 65-137 | 3 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 5.94 | 5.67 | 95 | | 5.74 | 95 | | 63-144 | 1 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 5.94 | 6.12 | 103 | | 6.24 | 104 | | 64-136 | 2 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 5.73 | 6.55 | 114 | | 6.93 | 120 | | 59-134 | 6 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | ND | 5.94 | 5.70 | 96 | | 5.57 | 93 | | 67-137 | 2 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | 5.94 | 5.96 | 100 | | 5.77 | 96 | | 61-139 | 3 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | ND | 5.94 | 6.06 | 102 | | 6.33 | 105 | | 69-135 | 4 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 5.94 | 5.92 | 100 | | 6.06 | 101 | | 66-139 | 2 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | ND | 5.94 | 6.54 | 110 | | 6.63 | 110 | | 69-133 | 1 | | 30 |

# Matrix Spike Analysis

***Batch Quality Control***

***Project Name:*** 480 FLUSHING AVE

***Project Number:*** FLG1801

***Lab Number:*** L2103965

***Report Date:*** 02/08/21

| *Parameter* | *Native Sample* | *MS Added* | *MS Found* | *MS %Recovery* | *Qual* | *MSD Found* | *MSD %Recovery* | *Qual* | *Recovery Limits* | *RPD* | *Qual* | *RPD Limits* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1459608-3 WG1459608-4 QC Sample: L2103965-01 Client ID: SB20-01 (20-25) | | | | | | | | | | | | |

| *Surrogate (Extracted Internal Standard)* | *MS % Recovery* | *MS Qualifier* | *MSD % Recovery* | *MSD Qualifier* | *Acceptance Criteria* |
|---|---|---|---|---|---|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 82 | | 76 | | 19-175 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 67 | | 70 | | 20-154 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 62 | | 56 | | 34-137 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 72 | | 67 | | 31-134 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 101 | | 102 | | 61-155 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 105 | | 106 | | 75-130 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 115 | | 120 | | 66-128 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 109 | | 112 | | 71-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 112 | | 120 | | 78-139 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 93 | | 93 | | 54-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 72 | | 74 | | 24-159 |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 103 | | 104 | | 61-135 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 110 | | 112 | | 58-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 99 | | 102 | | 10-117 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 101 | | 108 | | 79-136 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 103 | | 106 | | 75-130 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 111 | | 117 | | 72-140 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 115 | | 124 | | 74-139 |

# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801
**Lab Number:** L2103965
**Report Date:** 02/08/21

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1460071-3 QC Sample: L2104282-01 Client ID: MS Sample | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | 38.3 | 34.2 | 89 | | - | - | | 67-148 | - | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 0.620J | 38.3 | 36.3 | 93 | | - | - | | 63-161 | - | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 0.396JF | 34 | 34.4 | 100 | | - | - | | 65-157 | - | | 30 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | ND | 35.8 | 35.8 | 100 | | - | - | | 37-219 | - | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 0.865J | 38.3 | 36.5 | 93 | | - | - | | 69-168 | - | | 30 |
| Perfluoropentanesulfonic Acid (PFPeS) | 0.533J | 36 | 32.2 | 88 | | - | - | | 52-156 | - | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | ND | 38.3 | 35.4 | 92 | | - | - | | 58-159 | - | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.919J | 35 | 32.9 | 91 | | - | - | | 69-177 | - | | 30 |
| Perfluorooctanoic Acid (PFOA) | 0.249J | 38.3 | 35.9 | 93 | | - | - | | 63-159 | - | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 93.6 | 36.5 | 59.1 | **0** | Q | - | - | | 49-187 | - | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | 36.5 | 37.2 | 102 | | - | - | | 61-179 | - | | 30 |
| Perfluorononanoic Acid (PFNA) | ND | 38.3 | 33.3 | 87 | | - | - | | 68-171 | - | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | 35.5 | 35.3 | 99 | | - | - | | 52-151 | - | | 30 |
| Perfluorodecanoic Acid (PFDA) | ND | 38.3 | 35.2 | 92 | | - | - | | 63-171 | - | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 36.8 | 41.1F | 112 | | - | - | | 56-173 | - | | 30 |
| Perfluorononanesulfonic Acid (PFNS) | ND | 36.8 | 36.8 | 100 | | - | - | | 48-150 | - | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 38.3 | 31.5 | 82 | | - | - | | 60-166 | - | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 38.3 | 36.7 | 96 | | - | - | | 60-153 | - | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 36.9 | 35.7 | 97 | | - | - | | 38-156 | - | | 30 |
| Perfluorooctanesulfonamide (FOSA) | ND | 38.3 | 35.0 | 91 | | - | - | | 46-170 | - | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | 38.3 | 34.2 | 89 | | - | - | | 45-170 | - | | 30 |
| Perfluorododecanoic Acid (PFDoA) | ND | 38.3 | 38.0 | 99 | | - | - | | 67-153 | - | | 30 |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 480 FLUSHING AVE

**Project Number:** FLG1801

**Lab Number:** L2103965

**Report Date:** 02/08/21

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1460071-3 QC Sample: L2104282-01 Client ID: MS Sample | | | | | | | | | | | | |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 38.3 | 34.1 | 89 | | - | - | | 48-158 | - | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | ND | 38.3 | 39.7 | 104 | | - | - | | 59-182 | - | | 30 |

| Surrogate (Extracted Internal Standard) | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 83 | | | | 10-162 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS) | 140 | | | | 12-142 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 82 | | | | 14-147 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 67 | | | | 27-126 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 72 | | | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 98 | | | | 55-137 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 109 | | | | 62-124 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 117 | | | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 115 | | | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 130 | | | | 71-134 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 87 | | | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 67 | | | | 22-136 |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 106 | | | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 113 | | | | 62-163 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 18 | | | | 10-112 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 114 | | | | 69-131 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 112 | | | | 62-129 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 117 | | | | 59-139 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 122 | | | | 70-131 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1460071-4 QC Sample: L2104282-02 Client ID: DUP Sample | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 2.90 | 2.32 | ng/l | 22 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 4.10 | 4.04 | ng/l | 1 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 3.40 | 3.58 | ng/l | 5 | | 30 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | ND | ND | ng/l | NC | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 3.33 | 3.16 | ng/l | 5 | | 30 |
| Perfluoropentanesulfonic Acid (PFPeS) | 0.291JF | ND | ng/l | NC | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 1.41J | 1.28J | ng/l | NC | | 30 |
| Perfluorohexanesulfonic Acid-Branched (br-PFHxS) | 0.368J | 0.302JF | ng/l | NC | | 30 |
| Perfluorohexanesulfonic Acid-Linear (L-PFHxS) | 1.45J | 1.28J | ng/l | NC | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 1.82J | 1.58JF | ng/l | NC | | 30 |
| Perfluorooctanoic Acid-Branched (br-PFOA) | 0.500JF | 0.501JF | ng/l | NC | | 30 |
| Perfluorooctanoic Acid-Linear (L-PFOA) | 4.29 | 3.63 | ng/l | 17 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 4.79F | 4.13F | ng/l | 15 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 6.39 | 2.63 | ng/l | **83** | Q | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | ND | ng/l | NC | | 30 |
| Perfluorononanoic Acid (PFNA) | 0.456J | 0.449J | ng/l | NC | | 30 |
| Perfluorooctanesulfonic Acid-Branched (br-PFOS) | 0.394JF | 0.556JF | ng/l | NC | | 30 |
| Perfluorooctanesulfonic Acid-Linear (L-PFOS) | 1.11J | 0.962J | ng/l | NC | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 1.50JF | 1.52JF | ng/l | NC | | 30 |
| Perfluorodecanoic Acid (PFDA) | 0.438J | ND | ng/l | NC | | 30 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1460071-4 QC Sample: L2104282-02 Client ID: DUP Sample | | | | | | |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | ND | ng/l | NC | | 30 |
| Perfluorononanesulfonic Acid (PFNS) | ND | ND | ng/l | NC | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA) | ND | ND | ng/l | NC | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA) | ND | ND | ng/l | NC | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | ND | ng/l | NC | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | ND | ND | ng/l | NC | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | ND | ng/l | NC | | 30 |
| Perfluorooctanesulfonamide (FOSA) | ND | ND | ng/l | NC | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA) | ND | ND | ng/l | NC | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA) | ND | ND | ng/l | NC | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | ND | ng/l | NC | | 30 |
| Perfluorododecanoic Acid (PFDoA) | ND | ND | ng/l | NC | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | ND | ng/l | NC | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | ND | ND | ng/l | NC | | 30 |
| PFOA/PFOS, Total | 6.29J | 5.65J | ng/l | NC | | 30 |
| PFAS, Total (5) | 9.98J | 8.96J | ng/l | NC | | 30 |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 98 | | 94 | | 58-132 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 98 | | 99 | | 62-163 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1460071-4 QC Sample: L2104282-02 Client ID: DUP Sample

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 122 | | 116 | | 70-131 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS) | **216** | Q | **203** | Q | 12-142 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 98 | | 93 | | 57-129 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 102 | | 97 | | 60-129 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 125 | | 122 | | 71-134 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 104 | | 96 | | 62-129 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 116 | | 110 | | 14-147 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 111 | | 104 | | 59-139 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 111 | | 109 | | 69-131 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 102 | | 96 | | 62-124 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 96 | | 88 | | 10-162 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 68 | | 51 | | 24-116 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 95 | | 92 | | 55-137 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 30 | | 22 | | 10-112 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 53 | | 47 | | 27-126 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 77 | | 71 | | 48-131 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 56 | | 48 | | 22-136 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-01
Client ID: SB20-01 (20-25)
Sample Location: BROOKLYN

Date Collected: 01/25/21 13:22
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Mansfield Lab** | | | | | | | | | | |
| Solids, Total | 81.1 | | % | 0.100 | 0.100 | 1 | - | 01/29/21 10:06 | 121,2540G | AL |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-02
Client ID: SB20-01 (25-30)
Sample Location: BROOKLYN

Date Collected: 01/25/21 13:32
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Mansfield Lab** | | | | | | | | | | |
| Solids, Total | 89.3 | | % | 0.100 | 0.100 | 1 | - | 01/29/21 10:06 | 121,2540G | AL |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-03
Client ID: SB20-01 (30-35)
Sample Location: BROOKLYN

Date Collected: 01/25/21 13:42
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Mansfield Lab** | | | | | | | | | | |
| Solids, Total | 78.1 | | % | 0.100 | 0.100 | 1 | - | 01/29/21 10:06 | 121,2540G | AL |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-04
Client ID: SB20-02 (20-25)
Sample Location: BROOKLYN

Date Collected: 01/25/21 14:27
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Mansfield Lab** | | | | | | | | | | |
| Solids, Total | 79.7 | | % | 0.100 | 0.100 | 1 | - | 01/29/21 10:06 | 121,2540G | AL |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-05
Client ID: SB20-02 (25-30)
Sample Location: BROOKLYN

Date Collected: 01/25/21 14:31
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Mansfield Lab** | | | | | | | | | | |
| Solids, Total | 80.0 | | % | 0.100 | 0.100 | 1 | - | 01/29/21 10:06 | 121,2540G | AL |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-06
Client ID: SB20-02 (30-35)
Sample Location: BROOKLYN

Date Collected: 01/25/21 14:45
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Mansfield Lab** | | | | | | | | | | |
| Solids, Total | 77.3 | | % | 0.100 | 0.100 | 1 | - | 01/29/21 10:06 | 121,2540G | AL |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

## SAMPLE RESULTS

Lab ID: L2103965-07
Client ID: SOIL DUPLICATE
Sample Location: BROOKLYN

Date Collected: 01/25/21 00:00
Date Received: 01/26/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Mansfield Lab** | | | | | | | | | | |
| Solids, Total | 77.1 | | % | 0.100 | 0.100 | 1 | - | 01/29/21 10:06 | 121,2540G | AL |

# Lab Duplicate Analysis
*Batch Quality Control*

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

***Lab Number:*** L2103965
***Report Date:*** 02/08/21

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1460016-1 QC Sample: L2103965-01 Client ID: SB20-01 (20-25) | | | | | | |
| Solids, Total | 81.1 | 81.1 | % | 0 | | 10 |

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2103965-01A | Plastic 8oz unpreserved | A | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2103965-01A1 | Plastic 8oz unpreserved | A | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2103965-01A2 | Plastic 8oz unpreserved | A | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2103965-01B | Plastic 2oz unpreserved for TS | A | NA | | 4.6 | Y | Absent | | A2-TS(7) |
| L2103965-01B1 | Plastic 2oz unpreserved for TS | A | NA | | 4.6 | Y | Absent | | A2-TS(7) |
| L2103965-01B2 | Plastic 2oz unpreserved for TS | A | NA | | 4.6 | Y | Absent | | A2-TS(7) |
| L2103965-02A | Plastic 8oz unpreserved | A | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2103965-02B | Plastic 2oz unpreserved for TS | A | NA | | 4.6 | Y | Absent | | A2-TS(7) |
| L2103965-03A | Plastic 8oz unpreserved | A | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2103965-03B | Plastic 2oz unpreserved for TS | A | NA | | 4.6 | Y | Absent | | A2-TS(7) |
| L2103965-04A | Plastic 8oz unpreserved | A | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2103965-04B | Plastic 2oz unpreserved for TS | A | NA | | 4.6 | Y | Absent | | A2-TS(7) |
| L2103965-05A | Plastic 8oz unpreserved | A | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2103965-05B | Plastic 2oz unpreserved for TS | A | NA | | 4.6 | Y | Absent | | A2-TS(7) |
| L2103965-06A | Plastic 8oz unpreserved | A | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2103965-06B | Plastic 2oz unpreserved for TS | A | NA | | 4.6 | Y | Absent | | A2-TS(7) |
| L2103965-07A | Plastic 8oz unpreserved | A | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2103965-07B | Plastic 2oz unpreserved for TS | A | NA | | 4.6 | Y | Absent | | A2-TS(7) |
| L2103965-08A | Plastic 250ml unpreserved | A | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2103965-09A | Plastic 250ml unpreserved | A | NA | | 4.6 | Y | Absent | | HOLD-537(14) |
| L2103965-09B | Plastic 250ml unpreserved | A | NA | | 4.6 | Y | Absent | | HOLD-537(14) |
| L2103965-09C | Plastic 250ml unpreserved | A | NA | | 4.6 | Y | Absent | | HOLD-537(14) |
| L2103965-09D | Plastic 250ml unpreserved | A | NA | | 4.6 | Y | Absent | | HOLD-537(14) |



*Values in parentheses indicate holding time in days

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

***Container Information***

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2103965-09E | Plastic 250ml unpreserved | A | NA | | 4.6 | Y | Absent | | HOLD-537(14) |



*Values in parentheses indicate holding time in days

**Project Name:** 480 FLUSHING AVE
**Project Number:** FLG1801

**Lab Number:** L2103965
**Report Date:** 02/08/21

## PFAS PARAMETER SUMMARY

| Parameter | Acronym | CAS Number |
|---|---|---|
| PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs) | | |
| Perfluorooctadecanoic Acid | PFODA | 16517-11-6 |
| Perfluorohexadecanoic Acid | PFHxDA | 67905-19-5 |
| Perfluorotetradecanoic Acid | PFTA | 376-06-7 |
| Perfluorotridecanoic Acid | PFTrDA | 72629-94-8 |
| Perfluorododecanoic Acid | PFDoA | 307-55-1 |
| Perfluoroundecanoic Acid | PFUnA | 2058-94-8 |
| Perfluorodecanoic Acid | PFDA | 335-76-2 |
| Perfluorononanoic Acid | PFNA | 375-95-1 |
| Perfluorooctanoic Acid | PFOA | 335-67-1 |
| Perfluoroheptanoic Acid | PFHpA | 375-85-9 |
| Perfluorohexanoic Acid | PFHxA | 307-24-4 |
| Perfluoropentanoic Acid | PFPeA | 2706-90-3 |
| Perfluorobutanoic Acid | PFBA | 375-22-4 |
| PERFLUOROALKYL SULFONIC ACIDS (PFSAs) | | |
| Perfluorododecanesulfonic Acid | PFDoDS | 79780-39-5 |
| Perfluorodecanesulfonic Acid | PFDS | 335-77-3 |
| Perfluorononanesulfonic Acid | PFNS | 68259-12-1 |
| Perfluorooctanesulfonic Acid | PFOS | 1763-23-1 |
| Perfluoroheptanesulfonic Acid | PFHpS | 375-92-8 |
| Perfluorohexanesulfonic Acid | PFHxS | 355-46-4 |
| Perfluoropentanesulfonic Acid | PFPeS | 2706-91-4 |
| Perfluorobutanesulfonic Acid | PFBS | 375-73-5 |
| FLUOROTELOMERS | | |
| 1H,1H,2H,2H-Perfluorododecanesulfonic Acid | 10:2FTS | 120226-60-0 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid | 8:2FTS | 39108-34-4 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid | 6:2FTS | 27619-97-2 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid | 4:2FTS | 757124-72-4 |
| PERFLUOROALKANE SULFONAMIDES (FASAs) | | |
| Perfluorooctanesulfonamide | FOSA | 754-91-6 |
| N-Ethyl Perfluorooctane Sulfonamide | NEtFOSA | 4151-50-2 |
| N-Methyl Perfluorooctane Sulfonamide | NMeFOSA | 31506-32-8 |
| PERFLUOROALKANE SULFONYL SUBSTANCES | | |
| N-Ethyl Perfluorooctanesulfonamido Ethanol | NEtFOSE | 1691-99-2 |
| N-Methyl Perfluorooctanesulfonamido Ethanol | NMeFOSE | 24448-09-7 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid | NEtFOSAA | 2991-50-6 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid | NMeFOSAA | 2355-31-9 |
| PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS | | |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid | HFPO-DA | 13252-13-6 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid | ADONA | 919005-14-4 |
| CHLORO-PERFLUOROALKYL SULFONIC ACIDS | | |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | 11Cl-PF3OUdS | 763051-92-9 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid | 9Cl-PF3ONS | 756426-58-1 |
| PERFLUOROETHER SULFONIC ACIDS (PFESAs) | | |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid | PFEESA | 113507-82-7 |
| PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs) | | |
| Perfluoro-3-Methoxypropanoic Acid | PFMPA | 377-73-1 |
| Perfluoro-4-Methoxybutanoic Acid | PFMBA | 863090-89-5 |
| Nonafluoro-3,6-Dioxaheptanoic Acid | NFDHA | 151772-58-6 |

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2103965 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/08/21 |

## GLOSSARY

***Acronyms***

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2103965 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/08/21 |

***Footnotes***

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

***Terms***

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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

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

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

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The lower value for the two columns has been reported due to obvious interference.

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

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2103965 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/08/21 |

***Data Qualifiers***

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE | **Lab Number:** | L2103965 |
| **Project Number:** | FLG1801 | **Report Date:** | 02/08/21 |

## REFERENCES


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

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.


## LIMITATION OF LIABILITIES

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

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

# Certification Information

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

**Westborough Facility**
**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene
**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
**EPA 8270D:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
**SM4500**: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

**Mansfield Facility**
**SM 2540D:** TSS
**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
**EPA TO-12** Non-methane organics
**EPA 3C** Fixed gases
**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:**

***Drinking Water***
**EPA 300.0**: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
**EPA 332**: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

***Non-Potable Water***
**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
**EPA 624.1**: Volatile Halocarbons & Aromatics,
**EPA 608.3**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625.1**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

**Mansfield Facility:**

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

***Non-Potable Water***
**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
**EPA 200.8:** Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
**EPA 245.1** Hg.
**SM2340B**

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

# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 1/27/21

ALPHA Job #: L2103965

## Client Information
Client: EBC
Address: 1808 Middle Country Rd.
Ridge NY 11961
Phone: 631-504-6000
Fax:
Email: CREILLY@EBCINNY.COM

## Project Information
Project Name: 480 Flushing Ave.
Project Location: Brooklyn
Project #: FLG1801
(Use Project name as Project #) ☐
Project Manager: Chawnie Reilly
ALPHAQuote #:

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

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

## Billing Information
☐ Same as Client Info
PO #

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

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

These samples have been previously analyzed by Alpha ☐

**Other project specific requirements/comments:**

**Please specify Metals or TAL.**

## ANALYSIS
21PFA 537.1

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

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | 21PFA 537.1 | Sample Specific Comments | Total # Bottles |
|---|---|---|---|---|---|---|---|---|
| 3965-01 | SB20-01 (20-25) | 1/25 | 1:22 | S | | X | MS/MSD | 6 |
| -02 | SB20-01 (25-30) | 1/25 | 1:32 | S | | X | | 2 |
| -03 | SB20-01 (30-35) | 1/25 | 1:42 | S | | X | | 2 |
| -04 | SB20-02 (20-25) | 1/25 | 2:27 | S | | X | | 2 |
| -05 | SB20-02 (25-30) | 1/25 | 2:31 | S | | X | | 2 |
| -06 | SB20-02 (30-35) | 1/25 | 2:45 | S | | X | | 2 |
| -07 | Soil Duplicate | 1/25 | — | S | | X | | 2 |
| -08 | Rinsate Blank Soil | 1/25 | 12:18 | | | X | | 2 |
| | | | | | | | | |
| | | | | | | | | |

Container Type: P
Preservative: A

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

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

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

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 1/26/21 1212 | MEATHERS (AAL) | 1/26/21 1212 |
| MEATHERS (AAL) | 1/26/21 1545 | Paul Mazzella | 1/26/21 1650 |
| Paul Mazzella | 1/26/21 2218 | Wendell Moore | 1/26/21 2218 |
| Wendell Moore | 1/27/21 0900 | T Shuttle | 1/27/21 0900 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTRUCTIONS. (See reverse side.)

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

# ***APPENDIX - F***

## *DUSRS*

**DATA USABILITY SUMMARY REPORT (DUSR)**
**VOLATILE ORGANIC COMPOUNDS**
USEPA Region II –Data Validation

| | |
|---|---|
| Site: 480 Flushing Ave, Brooklyn, NY | SDG #: GCH52471 |
| Laboratory: Phoenix Environmental Laboratories, Inc. | Date: 03/16/21 |
| KGS Reviewer: Sherri Pullar | Project: 3020 |

| Client Sample ID | Lab Sample ID | Collection Date | Analysis | Matrix |
|---|---|---|---|---|
| SB20-01 (20-25) | CH52471 | 1/25/2021 | VOC | Soil |
| SB20-01 (25-30) | CH52472 | 1/25/2021 | VOC | Soil |
| SB20-01 (30-35) | CH52473 | 1/25/2021 | VOC | Soil |
| SB20-02 (20-25) | CH52474 | 1/25/2021 | VOC | Soil |
| SB20-02 (25-30) | CH52475 | 1/25/2021 | VOC | Soil |
| SB20-02 (30-35) | CH52476 | 1/25/2021 | VOC | Soil |
| SOIL DUPLICATE 1/25 | CH52477 | 1/25/2021 | VOC | Soil |
| Trip Blank HL | CH52478 | 1/25/2021 | VOC | Trip Blank |
| Trip Blank LL | CH52479 | 1/25/2021 | VOC | Trip Blank |

Summary - Data validation was performed on seven (7) soil samples and two (2) trip blanks from 480 Flushing Ave, Brooklyn, NY on 1/25/2021 and submitted for Volatile Organic (VOC) analyses by SW846 Method 8260C.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 1/26/2021 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

*Qualification:* None required.

Holding Times –All samples were analyzed within the 14-day holding time required for soil samples.

*Qualification:* None required.

GC/MS Tuning - All BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

*Qualification:* None required.

Initial Calibration - Initial calibration curve analyzed on 1/19/2021 (CHEM31) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

*Qualification:* None required.

Continuing Calibration Verification (CCV) - The %D for the CCVs analyzed and reported with these samples on 1/27/2021 were within acceptance limits for target VOCs.

*Qualification:* None required.

- The %D for the CCVs analyzed and reported with these samples on 1/28/2021 were within acceptance limits for target VOCs.

*Qualification:* None required.

Surrogates –All surrogate percent recoveries were within the control limits.

*Qualification:* None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area counts for all internal standards.

*Qualification:* None required.

Method Blank – Method Blank (CH52471 BLANK-H)-Scan associated with the soil samples analyzed on 1/27/2021 was free of contamination.

*Qualification:* None required.

– Method Blank (CH52734 BLANK-H)-Scan associated with the soil samples analyzed on 1/28/2021 was free of contamination.

*Qualification:* None required.

– Method Blank (CH52471 BLANK)-Scan associated with the soil samples analyzed on 1/27/2021 was free of contamination.

*Qualification:* None required.

– Method Blank (CH52734 BLANK)-Scan associated with the soil samples analyzed on 1/28/2021 was free of contamination.

*Qualification:* None required.

Field Blanks – Trip Blank Low (Lab Sample ID: CH52479) was submitted with this sample set. Trip Blank Low was free of contamination.

*Qualification:* None required.

– Trip Blank High (Lab Sample ID: CH52478) was submitted with this sample set. Trip Blank High was free of contamination.

*Qualification:* None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample SB20-01 (20-25) high (CH52471). All %RECs/RPDs were within the laboratory control limits except for chloroethane (24% and 23% %R) and trichlorofluoromethane (30% and 29% %R). Results for chloroethane and trichlorofluoromethane were not reported from the 50X dilution in the parent sample.

*Qualification:* None required.

– Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample SB20-01 (20-25) low (CH52471). All %RECs/RPDs were within the laboratory control limits except for cis-1,2-dichloroethene (147% %R and 52.4% RPD), and 2-hexanone (160% %R and 49.0% RPD), hexachlorobutadiene (59% %R). Results for cis-1,2-dichloroethene and 2-hexanone were non-

detect in the parent sample.

*Qualification:* Non-detect result for hexachlorobutadiene was qualified as estimated (UJ) in sample SB20-01 (20-25).

Field Duplicate — One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate 1/25 (Lab Sample ID: CH52477) was the field duplicate sample of SB20-01 (30-35) (Lab Sample ID: CH52473). The FD sample results for detected VOCs in the FD sample pair are summarized in the table below. The calculated %RPDs between detected FD sample results were >50% for 1,1,1-trichloroethane, 1,1-dichloroethene, chloroform, and toluene (see below).

| Lab Sample ID | CH52473 | | CH52477 | | |
|---|---|---|---|---|---|
| Client Sample ID | SB20-01 (30-35) | | Soil Duplicate 1/25 | | |
| Collection Date | 1/25/2021 | | 1/25/2021 | | |
| **Analyte** | **Result (µg/Kg)** | **Flag** | **Result (µg/Kg)** | **Flag** | **%RPD** |
| 1,1,1-Trichloroethane | 39 | | 20 | | **64.4** |
| 1,1-Dichloroethane | 8.7 | | 6.5 | | 28.9 |
| 1,1-Dichloroethene | 4.7 | | 2.8 | J | **50.7** |
| Acetone | 4.7 | J | 4.8 | J | 2.1 |
| Chloroform | 2.6 | J | 1.5 | J | **53.7** |
| Cis-1,2-Dichloroethene | 190 | | 200 | | 5.1 |
| M&p-xylene | 0.84 | J | 0.73 | J | 14.0 |
| Naphthalene | 1.5 | J | 1.4 | J | 6.9 |
| Tetrachloroethene | 640 | | 690 | | 7.5 |
| Toluene | 1.5 | J | 0.70 | J | **72.7** |
| Trichloroethene | 59 | | 43 | | 31.4 |

*Qualification:* Results for 1,1,1-trichloroethane, 1,1-dichloroethene, chloroform, and toluene were qualified as estimated in the field duplicate pair (SB20-01 (30-35) and Soil Duplicate 1/25).

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

*Qualification:* None required.

– Sample compound spectra were compared against the laboratory standard spectra.

*Qualification:* None required.

Compound Quantitation –Analyte non-detections were reported as "U"; these results should be considered the equivalent of "PQL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

*Qualification:* None required.

– Sample results were reported within the linear calibration range.

*Qualification:* None required.

– %Solids for all soil samples in this SDG were >50%.

*Qualification:* None required.

Manual Calculation

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\%Solids)}$$

Cx = concentration of analyte as ug/kg
Ax = Area of the characteristic ion for the compound to be measured, counts.
Ais = Area of the characteristic ion for the specific internal standard, counts.
IS = Concentration of the internal standard spiking mixture, ng
RRF= Mean relative response factor from the initial calibration.
DF = Dilution factor calculated. If no dilution is performed, DF= 1
V= Volume for liquids in ml, weight for soils/solids in grams.

SB20-01 (20-25) (CH52471)

Trichloroethene

Sample weight= 8.57g
Volume purged=5.0ml
DF = 1
%Solid = 83%

$$\text{Concentration } (\mu g/kg) \text{ (dry)} = \frac{45803 \times 50 \times 1 \times 5.0}{333169 \times 0.223 \times 8.57 \times 0.83} = 21.67\ \mu g/kg$$

| Compound | Laboratory (µg/kg) | Validation (µg/kg) | %D |
|---|---|---|---|
| Trichloroethene | 22 | 22 | 0.0 |

Data Review Summary –VOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.
– Volatile soil data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCH52471 at the end of the data validation report.

**DATA USABILITY SUMMARY REPORT (DUSR)**
**SEMI-VOLATILE ORGANIC COMPOUNDS (1,4-Dioxane)**
USEPA Region II –Data Validation

| | |
|---|---|
| Site: 480 Flushing Ave, Brooklyn, NY | SDG #: GCH52471 |
| Laboratory: Phoenix Environmental Laboratories, Inc. | Date: 03/16/21 |
| KGS Reviewer: Sherri Pullar | Project: 3020 |

| Client Sample ID | Lab Sample ID | Collection Date | Analysis | Matrix |
|---|---|---|---|---|
| SB20-01 (20-25) | CH52471 | 1/25/2021 | SVOC | Soil |
| SB20-01 (25-30) | CH52472 | 1/25/2021 | SVOC | Soil |
| SB20-01 (30-35) | CH52473 | 1/25/2021 | SVOC | Soil |
| SB20-02 (20-25) | CH52474 | 1/25/2021 | SVOC | Soil |
| SB20-02 (25-30) | CH52475 | 1/25/2021 | SVOC | Soil |
| SB20-02 (30-35) | CH52476 | 1/25/2021 | SVOC | Soil |
| SOIL DUPLICATE 1/25 | CH52477 | 1/25/2021 | SVOC | Soil |

Summary - Data validation was performed on seven (7) soil samples were collected from 480 Flushing Ave, Brooklyn, NY on 1/25/2021 and submitted for 1,4-Dioxane analyses by SW846 Method 8270C-SIM.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 1/26/2021 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

*Qualification:* None required.

Holding Times –All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

*Qualification:* None required.

GC/MS Tuning - All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

*Qualification:* None required.

Initial Calibration – Initial calibration curve analyzed on 11/24/2020 (CHEM33) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-35A.

*Qualification:* None required.

Continuing Calibration Verification (CCV) – The %D for the CCVs analyzed and reported with these samples on 1/27/2021 were within acceptance limits listed in Table 2 in SOP HW-35A.

*Qualification:* None required.

Surrogates –Surrogate %R values were within the QC acceptance limits except for 2-Fluorobiphenyl in samples SB20-01 (25-30) (28%), SB20-01 (30-35) (29%), and Soil Duplicate 1/25 (25%). Surrogate exceedance does not affect the 1,4-dioxane results.

*Qualification:* None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area count for the three internal standards.

*Qualification:* None required.

Method Blank (MB) – Method Blank (CH52471 BLANK)-Scan associated with the soil samples extracted on 1/26/2021 and analyzed on 1/27/2021 was free of contamination.

*Qualification:* None required.

Storage Blank (SB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – No field blanks were submitted with this SDG.

*Qualification:* None required.

Field Duplicate – One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate 1/25 (Lab Sample ID: CH52477) was the field duplicate sample of SB20-01 (30-35) (Lab Sample ID: CH52473). The results for SVOCs were non-detect in the FD sample pair.

*Qualification:* None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample SB20-01 (20-25) (CH52471). All %RECs/RPDs were within the laboratory control limits.

*Qualification:* None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

*Qualification:* None required.

– %Solids for all soil samples in this SDG were >50%.

*Qualification:* None required.

Manual Calculation

$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(Volume\ injected,\ \mu L)(V)(\%Solids)}$$

Cx = concentration of analyte as ug/kg

Ax = Area of the characteristic ion for the compound to be measured, counts.
Ais = Area of the characteristic ion for the specific internal standard, counts.
IS = Concentration of the internal standard spiking mixture, ng
RRF= Mean relative response factor from the initial calibration.
DF = Dilution factor calculated. If no dilution is performed, DF= 1
V= Volume for liquids in ml, weight for soils/solids in grams.
VE= final volume of concentrated extract

Sample: LCS CH52471
1,4-Dioxane

Sample weight= 15.00g
Volume purged=1.0ml
DF = 1

$$\text{Concentration (µg/kg) (dry)} = \frac{262371 \times 100 \times 1 \times 1000}{505875 \times 2.487 \times 15.00} = 1390.29 \text{ µg/kg}$$

| Compound | Laboratory (µg/kg) | Validation (µg/kg) | %D |
|---|---|---|---|
| 1,4-Dioxane | 1390 | 1390 | 0.0 |

Data Review Summary – The SVOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.
– Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCH52471 at the end of the data validation report.

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 50 | Tetrachloroethene | 590 | ug/Kg | | 93 | 460 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Ethylbenzene | 0.36 | ug/Kg | J | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Styrene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | cis-1,3-Dichloropropene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | trans-1,3-Dichloropropene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | n-Propylbenzene | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | n-Butylbenzene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 4-Chlorotoluene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,4-Dichlorobenzene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromoethane | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Acrolein | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloroethane | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Acrylonitrile | | ug/Kg | U | 0.35 | 14 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 4-Methyl-2-pentanone | | ug/Kg | U | 3.5 | 17 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Bromobenzene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Toluene | 1.6 | ug/Kg | J | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Chlorobenzene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Tetrahydrofuran (THF) | | ug/Kg | U | 1.7 | 7.0 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/Kg | U | 1.7 | 7.0 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Dibromochloromethane | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | sec-Butylbenzene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,3-Dichloropropane | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | cis-1,2-Dichloroethene | 35 | ug/Kg | | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | trans-1,2-Dichloroethene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/Kg | U | 0.70 | 7.0 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | m&p-Xylene | 1.4 | ug/Kg | J | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 2-Isopropyltoluene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,3-Dichlorobenzene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Carbon tetrachloride | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloropropene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 2-Hexanone | | ug/Kg | U | 3.5 | 17 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 2,2-Dichloropropane | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/Kg | U | 0.70 | 14 |

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Acetone | 5.0 | ug/Kg | J | 3.5 | 17 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Chloroform | 3.8 | ug/Kg | | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Benzene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,1,1-Trichloroethane | 9.2 | ug/Kg | | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Bromomethane | | ug/Kg | U | 1.4 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Chloromethane | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Dibromomethane | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Bromochloromethane | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Chloroethane | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Vinyl chloride | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Methylene chloride | | ug/Kg | U | 3.5 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Carbon Disulfide | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Bromoform | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Bromodichloromethane | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethane | 1.9 | ug/Kg | J | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethene | 0.96 | ug/Kg | J | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Tert-butyl alcohol | | ug/Kg | U | 14 | 70 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Trichlorofluoromethane | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Dichlorodifluoromethane | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Trichlorotrifluoroethane | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloropropane | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Methyl Ethyl Ketone | | ug/Kg | U | 3.5 | 21 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,1,2-Trichloroethane | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Trichloroethene | 22 | ug/Kg | | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Hexachlorobutadiene | | ug/Kg | UJ | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Naphthalene | 1.5 | ug/Kg | J | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | o-Xylene | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 2-Chlorotoluene | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,2-Dichlorobenzene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trimethylbenzene | 0.40 | ug/Kg | J | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/Kg | U | 0.70 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichloropropane | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | tert-Butylbenzene | | ug/Kg | U | 0.35 | 3.5 |

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | Isopropylbenzene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8260 | 1/25/2021 | 1 | p-Isopropyltoluene | | ug/Kg | U | 0.35 | 3.5 |
| SB20-01 (20-25)_20210125 | CH52471 | SW8270C-SIM | 1/25/2021 | 1 | 1,4-dioxane | | ug/Kg | U | 79 | 79 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 50 | Tetrachloroethene | 390 | ug/Kg | | 43 | 220 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 50 | cis-1,2-Dichloroethene | 130 | ug/Kg | | 22 | 130 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 50 | 1,1,1-Trichloroethane | 33 | ug/Kg | J | 22 | 220 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Ethylbenzene | 0.62 | ug/Kg | J | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Styrene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | cis-1,3-Dichloropropene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | trans-1,3-Dichloropropene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | n-Propylbenzene | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | n-Butylbenzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 4-Chlorotoluene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,4-Dichlorobenzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromoethane | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Acrolein | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloroethane | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Acrylonitrile | | ug/Kg | U | 0.41 | 16 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 4-Methyl-2-pentanone | | ug/Kg | U | 4.1 | 20 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Bromobenzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Toluene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Chlorobenzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Tetrahydrofuran (THF) | 19 | ug/Kg | | 2.0 | 8.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/Kg | U | 2.0 | 8.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Dibromochloromethane | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | sec-Butylbenzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,3-Dichloropropane | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | trans-1,2-Dichloroethene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/Kg | U | 0.81 | 8.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | m&p-Xylene | 2.1 | ug/Kg | J | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 2-Isopropyltoluene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,3-Dichlorobenzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Carbon tetrachloride | | ug/Kg | U | 0.81 | 4.1 |

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloropropene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 2-Hexanone | | ug/Kg | U | 4.1 | 20 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 2,2-Dichloropropane | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/Kg | U | 0.81 | 16 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Acetone | 39 | ug/Kg | | 4.1 | 20 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Chloroform | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Benzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Bromomethane | | ug/Kg | U | 1.6 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Chloromethane | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Dibromomethane | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Bromochloromethane | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Chloroethane | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Vinyl chloride | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Methylene chloride | | ug/Kg | U | 4.1 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Carbon Disulfide | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Bromoform | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Bromodichloromethane | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethane | 1.8 | ug/Kg | J | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethene | 0.61 | ug/Kg | J | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Tert-butyl alcohol | | ug/Kg | U | 16 | 81 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Trichlorofluoromethane | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Dichlorodifluoromethane | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Trichlorotrifluoroethane | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloropropane | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Methyl Ethyl Ketone | 16 | ug/Kg | J | 4.1 | 24 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,1,2-Trichloroethane | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Trichloroethene | 9.8 | ug/Kg | | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Hexachlorobutadiene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Naphthalene | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | o-Xylene | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 2-Chlorotoluene | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,2-Dichlorobenzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/Kg | U | 0.41 | 4.1 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/Kg | U | 0.81 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichloropropane | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | tert-Butylbenzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | Isopropylbenzene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8260 | 1/25/2021 | 1 | p-Isopropyltoluene | | ug/Kg | U | 0.41 | 4.1 |
| SB20-01 (25-30)_20210125 | CH52472 | SW8270C-SIM | 1/25/2021 | 1 | 1,4-dioxane | | ug/Kg | U | 73 | 73 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Ethylbenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Styrene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | cis-1,3-Dichloropropene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | trans-1,3-Dichloropropene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | n-Propylbenzene | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | n-Butylbenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 4-Chlorotoluene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,4-Dichlorobenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromoethane | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Acrolein | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloroethane | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Acrylonitrile | | ug/Kg | U | 0.36 | 14 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 4-Methyl-2-pentanone | | ug/Kg | U | 3.6 | 18 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Bromobenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,1,1-Trichloroethane | 39 | ug/Kg | J | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Chlorobenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Tetrahydrofuran (THF) | | ug/Kg | U | 1.8 | 7.2 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/Kg | U | 1.8 | 7.2 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Dibromochloromethane | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | sec-Butylbenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,3-Dichloropropane | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | trans-1,2-Dichloroethene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/Kg | U | 0.72 | 7.2 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 2-Isopropyltoluene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,3-Dichlorobenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Carbon tetrachloride | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloropropene | | ug/Kg | U | 0.36 | 3.6 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 2-Hexanone | | ug/Kg | U | 3.6 | 18 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 2,2-Dichloropropane | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/Kg | U | 0.72 | 14 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethane | 8.7 | ug/Kg | | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Benzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethene | 4.7 | ug/Kg | J | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Bromomethane | | ug/Kg | U | 1.4 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Chloromethane | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Dibromomethane | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Bromochloromethane | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Chloroethane | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Vinyl chloride | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Methylene chloride | | ug/Kg | U | 3.6 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Carbon Disulfide | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Bromoform | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Bromodichloromethane | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Acetone | 4.7 | ug/Kg | J | 3.6 | 18 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Tert-butyl alcohol | | ug/Kg | U | 14 | 72 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Trichlorofluoromethane | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Dichlorodifluoromethane | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Trichlorotrifluoroethane | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloropropane | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Methyl Ethyl Ketone | | ug/Kg | U | 3.6 | 22 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,1,2-Trichloroethane | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Hexachlorobutadiene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Chloroform | 2.6 | ug/Kg | J | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | o-Xylene | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 2-Chlorotoluene | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,2-Dichlorobenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/Kg | U | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichloropropane | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | tert-Butylbenzene | | ug/Kg | U | 0.36 | 3.6 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Isopropylbenzene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | p-Isopropyltoluene | | ug/Kg | U | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 50 | cis-1,2-Dichloroethene | 190 | ug/Kg | | 45 | 180 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8270C-SIM | 1/25/2021 | 1 | 1,4-dioxane | | ug/Kg | U | 83 | 83 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | m&p-Xylene | 0.84 | ug/Kg | J | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Naphthalene | 1.5 | ug/Kg | J | 0.72 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 50 | Tetrachloroethene | 640 | ug/Kg | | 91 | 450 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Toluene | 1.5 | ug/Kg | J | 0.36 | 3.6 |
| SB20-01 (30-35)_20210125 | CH52473 | SW8260 | 1/25/2021 | 1 | Trichloroethene | 59 | ug/Kg | | 0.36 | 3.6 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Ethylbenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Styrene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | cis-1,3-Dichloropropene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | trans-1,3-Dichloropropene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | n-Propylbenzene | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | n-Butylbenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 4-Chlorotoluene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,4-Dichlorobenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,2-Dibromoethane | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Acrolein | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,2-Dichloroethane | | ug/Kg | U | 33 | 33 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Acrylonitrile | | ug/Kg | U | 33 | 1300 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 4-Methyl-2-pentanone | | ug/Kg | U | 330 | 1600 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,3,5-Trimethylbenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Bromobenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Toluene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Chlorobenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Tetrahydrofuran (THF) | | ug/Kg | U | 160 | 660 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | trans-1,4-dichloro-2-butene | | ug/Kg | U | 160 | 660 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,2,4-Trichlorobenzene | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Dibromochloromethane | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Tetrachloroethene | 200 | ug/Kg | | 66 | 180 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | sec-Butylbenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,3-Dichloropropane | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | cis-1,2-Dichloroethene | 46 | ug/Kg | J | 33 | 250 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | trans-1,2-Dichloroethene | | ug/Kg | U | 33 | 190 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Methyl t-butyl ether (MTBE) | | ug/Kg | U | 66 | 660 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | m&p-Xylene | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 2-Isopropyltoluene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,3-Dichlorobenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Carbon tetrachloride | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,1-Dichloropropene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 2-Hexanone | | ug/Kg | U | 330 | 1600 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 2,2-Dichloropropane | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,1,1,2-Tetrachloroethane | | ug/Kg | U | 66 | 1300 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Acetone | | ug/Kg | U | 330 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Chloroform | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Benzene | | ug/Kg | U | 33 | 60 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,1,1-Trichloroethane | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Bromomethane | | ug/Kg | U | 130 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Chloromethane | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Dibromomethane | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Bromochloromethane | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Chloroethane | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Vinyl chloride | | ug/Kg | U | 33 | 33 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Methylene chloride | | ug/Kg | U | 130 | 130 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Carbon Disulfide | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Bromoform | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Bromodichloromethane | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,1-Dichloroethane | | ug/Kg | U | 66 | 270 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,1-Dichloroethene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Tert-butyl alcohol | | ug/Kg | U | 1300 | 6600 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Trichlorofluoromethane | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Dichlorodifluoromethane | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Trichlorotrifluoroethane | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,2-Dichloropropane | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Methyl Ethyl Ketone | | ug/Kg | U | 130 | 130 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,1,2-Trichloroethane | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Trichloroethene | 92 | ug/Kg | J | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,1,2,2-Tetrachloroethane | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,2,3-Trichlorobenzene | | ug/Kg | U | 66 | 330 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Hexachlorobutadiene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Naphthalene | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | o-Xylene | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 2-Chlorotoluene | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,2-Dichlorobenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,2,4-Trimethylbenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,2-Dibromo-3-chloropropane | | ug/Kg | U | 66 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | 1,2,3-Trichloropropane | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | tert-Butylbenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | Isopropylbenzene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8260 | 1/25/2021 | 50 | p-Isopropyltoluene | | ug/Kg | U | 33 | 330 |
| SB20-02 (20-25)_20210125 | CH52474 | SW8270C-SIM | 1/25/2021 | 1 | 1,4-dioxane | | ug/Kg | U | 79 | 79 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Ethylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Styrene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | cis-1,3-Dichloropropene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | trans-1,3-Dichloropropene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | n-Propylbenzene | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | n-Butylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 4-Chlorotoluene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,4-Dichlorobenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromoethane | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Acrolein | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloroethane | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Acrylonitrile | | ug/Kg | U | 0.33 | 13 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 4-Methyl-2-pentanone | | ug/Kg | U | 3.3 | 16 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Bromobenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Toluene | 0.97 | ug/Kg | J | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Chlorobenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Tetrahydrofuran (THF) | | ug/Kg | U | 1.6 | 6.5 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/Kg | U | 1.6 | 6.5 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Dibromochloromethane | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Tetrachloroethene | 40 | ug/Kg | | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | sec-Butylbenzene | | ug/Kg | U | 0.33 | 3.3 |

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,3-Dichloropropane | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | cis-1,2-Dichloroethene | 10 | ug/Kg | | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | trans-1,2-Dichloroethene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/Kg | U | 0.65 | 6.5 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | m&p-Xylene | 0.83 | ug/Kg | J | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 2-Isopropyltoluene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,3-Dichlorobenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Carbon tetrachloride | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloropropene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 2-Hexanone | | ug/Kg | U | 3.3 | 16 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 2,2-Dichloropropane | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/Kg | U | 0.65 | 13 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Acetone | 3.9 | ug/Kg | J | 3.3 | 16 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Chloroform | 0.37 | ug/Kg | J | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Benzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,1,1-Trichloroethane | 3.2 | ug/Kg | J | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Bromomethane | | ug/Kg | U | 1.3 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Chloromethane | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Dibromomethane | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Bromochloromethane | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Chloroethane | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Vinyl chloride | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Methylene chloride | | ug/Kg | U | 3.3 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Carbon Disulfide | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Bromoform | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Bromodichloromethane | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethane | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Tert-butyl alcohol | | ug/Kg | U | 13 | 65 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Trichlorofluoromethane | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Dichlorodifluoromethane | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Trichlorotrifluoroethane | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloropropane | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Methyl Ethyl Ketone | | ug/Kg | U | 3.3 | 20 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,1,2-Trichloroethane | | ug/Kg | U | 0.65 | 3.3 |

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Trichloroethene | 34 | ug/Kg | | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Hexachlorobutadiene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Naphthalene | 8.0 | ug/Kg | | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | o-Xylene | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 2-Chlorotoluene | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,2-Dichlorobenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/Kg | U | 0.65 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichloropropane | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | tert-Butylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | Isopropylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8260 | 1/25/2021 | 1 | p-Isopropyltoluene | | ug/Kg | U | 0.33 | 3.3 |
| SB20-02 (25-30)_20210125 | CH52475 | SW8270C-SIM | 1/25/2021 | 1 | 1,4-dioxane | | ug/Kg | U | 82 | 82 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Ethylbenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Styrene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | cis-1,3-Dichloropropene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | trans-1,3-Dichloropropene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | n-Propylbenzene | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | n-Butylbenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 4-Chlorotoluene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,4-Dichlorobenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromoethane | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Acrolein | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloroethane | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Acrylonitrile | | ug/Kg | U | 0.27 | 11 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 4-Methyl-2-pentanone | | ug/Kg | U | 2.7 | 14 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Bromobenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Toluene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Chlorobenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Tetrahydrofuran (THF) | | ug/Kg | U | 1.4 | 5.4 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/Kg | U | 1.4 | 5.4 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/Kg | U | 0.54 | 2.7 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Dibromochloromethane | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | sec-Butylbenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,3-Dichloropropane | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | trans-1,2-Dichloroethene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/Kg | U | 0.54 | 5.4 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | m&p-Xylene | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 2-Isopropyltoluene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,3-Dichlorobenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Carbon tetrachloride | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloropropene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 2-Hexanone | | ug/Kg | U | 2.7 | 14 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 2,2-Dichloropropane | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/Kg | U | 0.54 | 11 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Acetone | | ug/Kg | U | 2.7 | 14 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Chloroform | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Benzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,1,1-Trichloroethane | 41 | ug/Kg | | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Bromomethane | | ug/Kg | U | 1.1 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Chloromethane | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Dibromomethane | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Bromochloromethane | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Chloroethane | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Vinyl chloride | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Methylene chloride | | ug/Kg | U | 2.7 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Carbon Disulfide | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Bromoform | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Bromodichloromethane | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethane | 3.1 | ug/Kg | | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethene | 3.3 | ug/Kg | | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Tert-butyl alcohol | | ug/Kg | U | 11 | 54 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Trichlorofluoromethane | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Dichlorodifluoromethane | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Trichlorotrifluoroethane | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloropropane | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Methyl Ethyl Ketone | | ug/Kg | U | 2.7 | 16 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,1,2-Trichloroethane | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Trichloroethene | 26 | ug/Kg | | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Hexachlorobutadiene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Naphthalene | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | o-Xylene | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 2-Chlorotoluene | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,2-Dichlorobenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/Kg | U | 0.54 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichloropropane | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | tert-Butylbenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | Isopropylbenzene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 1 | p-Isopropyltoluene | | ug/Kg | U | 0.27 | 2.7 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 50 | Tetrachloroethene | 240 | ug/Kg | | 48 | 240 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8260 | 1/25/2021 | 50 | cis-1,2-Dichloroethene | 120 | ug/Kg | | 24 | 95 |
| SB20-02 (30-35)_20210125 | CH52476 | SW8270C-SIM | 1/25/2021 | 1 | 1,4-dioxane | | ug/Kg | U | 77 | 77 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,1,1-Trichloroethane | 20 | ug/Kg | J | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethane | 6.5 | ug/Kg | | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethene | 2.8 | ug/Kg | J | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Acetone | 4.8 | ug/Kg | J | 3.3 | 16 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Chloroform | 1.5 | ug/Kg | J | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 50 | cis-1,2-Dichloroethene | 200 | ug/Kg | | 41 | 160 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Ethylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Styrene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | cis-1,3-Dichloropropene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | trans-1,3-Dichloropropene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | n-Propylbenzene | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | n-Butylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 4-Chlorotoluene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,4-Dichlorobenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromoethane | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Acrolein | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloroethane | | ug/Kg | U | 0.33 | 3.3 |

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Acrylonitrile | | ug/Kg | U | 0.33 | 13 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 4-Methyl-2-pentanone | | ug/Kg | U | 3.3 | 16 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Bromobenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | m&p-Xylene | 0.73 | ug/Kg | J | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Chlorobenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Tetrahydrofuran (THF) | | ug/Kg | U | 1.6 | 6.5 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/Kg | U | 1.6 | 6.5 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Dibromochloromethane | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | sec-Butylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,3-Dichloropropane | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | trans-1,2-Dichloroethene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/Kg | U | 0.65 | 6.5 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 2-Isopropyltoluene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,3-Dichlorobenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Carbon tetrachloride | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloropropene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 2-Hexanone | | ug/Kg | U | 3.3 | 16 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 2,2-Dichloropropane | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/Kg | U | 0.65 | 13 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Naphthalene | 1.4 | ug/Kg | J | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Benzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 50 | Tetrachloroethene | 690 | ug/Kg | | 82 | 410 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Bromomethane | | ug/Kg | U | 1.3 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Chloromethane | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Dibromomethane | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Bromochloromethane | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Chloroethane | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Vinyl chloride | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Methylene chloride | | ug/Kg | U | 3.3 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Carbon Disulfide | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Bromoform | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Bromodichloromethane | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Toluene | 0.70 | ug/Kg | J | 0.33 | 3.3 |

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Tert-butyl alcohol | | ug/Kg | U | 13 | 65 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Trichlorofluoromethane | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Dichlorodifluoromethane | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Trichlorotrifluoroethane | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloropropane | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Methyl Ethyl Ketone | | ug/Kg | U | 3.3 | 20 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,1,2-Trichloroethane | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Hexachlorobutadiene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Trichloroethene | 43 | ug/Kg | | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | o-Xylene | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 2-Chlorotoluene | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,2-Dichlorobenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/Kg | U | 0.65 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichloropropane | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | tert-Butylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | Isopropylbenzene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8260 | 1/25/2021 | 1 | p-Isopropyltoluene | | ug/Kg | U | 0.33 | 3.3 |
| SOIL DUPLICATE 1/25_20210125 | CH52477 | SW8270C-SIM | 1/25/2021 | 1 | 1,4-dioxane | | ug/Kg | U | 83 | 83 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Ethylbenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Styrene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | cis-1,3-Dichloropropene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | trans-1,3-Dichloropropene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | n-Propylbenzene | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | n-Butylbenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 4-Chlorotoluene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,4-Dichlorobenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,2-Dibromoethane | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Acrolein | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,2-Dichloroethane | | ug/Kg | U | 25 | 25 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Acrylonitrile | | ug/Kg | U | 25 | 1000 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 4-Methyl-2-pentanone | | ug/Kg | U | 250 | 1300 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,3,5-Trimethylbenzene | | ug/Kg | U | 25 | 250 |

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Bromobenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Toluene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Chlorobenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Tetrahydrofuran (THF) | | ug/Kg | U | 130 | 500 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | trans-1,4-dichloro-2-butene | | ug/Kg | U | 130 | 500 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,2,4-Trichlorobenzene | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,4-dioxane | | ug/Kg | U | 2000 | 2000 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Dibromochloromethane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Tetrachloroethene | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | sec-Butylbenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,3-Dichloropropane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | cis-1,2-Dichloroethene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | trans-1,2-Dichloroethene | | ug/Kg | U | 25 | 190 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Methyl t-butyl ether (MTBE) | | ug/Kg | U | 50 | 500 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | m&p-Xylene | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 2-Isopropyltoluene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,3-Dichlorobenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Carbon tetrachloride | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,1-Dichloropropene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 2-Hexanone | | ug/Kg | U | 250 | 1300 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 2,2-Dichloropropane | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,1,1,2-Tetrachloroethane | | ug/Kg | U | 50 | 1000 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Acetone | | ug/Kg | U | 250 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Chloroform | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Benzene | | ug/Kg | U | 25 | 60 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,1,1-Trichloroethane | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Bromomethane | | ug/Kg | U | 100 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Chloromethane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Dibromomethane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Bromochloromethane | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Chloroethane | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Vinyl chloride | | ug/Kg | U | 25 | 25 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Methylene chloride | | ug/Kg | U | 100 | 100 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Carbon Disulfide | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Bromoform | | ug/Kg | U | 50 | 250 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Bromodichloromethane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,1-Dichloroethane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,1-Dichloroethene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Tert-butyl alcohol | | ug/Kg | U | 1000 | 5000 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Trichlorofluoromethane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Dichlorodifluoromethane | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Trichlorotrifluoroethane | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,2-Dichloropropane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Methyl Ethyl Ketone | | ug/Kg | U | 120 | 120 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,1,2-Trichloroethane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Trichloroethene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,1,2,2-Tetrachloroethane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,2,3-Trichlorobenzene | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Hexachlorobutadiene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Naphthalene | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | o-Xylene | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 2-Chlorotoluene | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,2-Dichlorobenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,2,4-Trimethylbenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,2-Dibromo-3-chloropropane | | ug/Kg | U | 50 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | 1,2,3-Trichloropropane | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | tert-Butylbenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | Isopropylbenzene | | ug/Kg | U | 25 | 250 |
| TB HL_20210125 | CH52478 | SW8260 | 1/25/2021 | 50 | p-Isopropyltoluene | | ug/Kg | U | 25 | 250 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Ethylbenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Styrene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | cis-1,3-Dichloropropene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | trans-1,3-Dichloropropene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | n-Propylbenzene | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | n-Butylbenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 4-Chlorotoluene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,4-Dichlorobenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromoethane | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Acrolein | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloroethane | | ug/Kg | U | 0.50 | 5.0 |

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Acrylonitrile | | ug/Kg | U | 0.50 | 20 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 4-Methyl-2-pentanone | | ug/Kg | U | 5.0 | 25 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Bromobenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Toluene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Chlorobenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Tetrahydrofuran (THF) | | ug/Kg | U | 2.5 | 10 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/Kg | U | 2.5 | 10 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,4-dioxane | | ug/Kg | U | 40 | 75 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Dibromochloromethane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Tetrachloroethene | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | sec-Butylbenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,3-Dichloropropane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | cis-1,2-Dichloroethene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | trans-1,2-Dichloroethene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/Kg | U | 1.0 | 10 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | m&p-Xylene | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 2-Isopropyltoluene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,3-Dichlorobenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Carbon tetrachloride | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloropropene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 2-Hexanone | | ug/Kg | U | 5.0 | 25 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 2,2-Dichloropropane | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/Kg | U | 1.0 | 20 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Acetone | | ug/Kg | U | 5.0 | 25 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Chloroform | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Benzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,1,1-Trichloroethane | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Bromomethane | | ug/Kg | U | 2.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Chloromethane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Dibromomethane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Bromochloromethane | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Chloroethane | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Vinyl chloride | | ug/Kg | U | 0.50 | 5.0 |

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOILS
# SDG: GCH52471

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Methylene chloride | | ug/Kg | U | 5.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Carbon Disulfide | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Bromoform | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Bromodichloromethane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,1-Dichloroethene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Tert-butyl alcohol | | ug/Kg | U | 20 | 100 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Trichlorofluoromethane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Dichlorodifluoromethane | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Trichlorotrifluoroethane | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,2-Dichloropropane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Methyl Ethyl Ketone | | ug/Kg | U | 5.0 | 30 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,1,2-Trichloroethane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Trichloroethene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Hexachlorobutadiene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Naphthalene | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | o-Xylene | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 2-Chlorotoluene | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,2-Dichlorobenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/Kg | U | 1.0 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | 1,2,3-Trichloropropane | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | tert-Butylbenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | Isopropylbenzene | | ug/Kg | U | 0.50 | 5.0 |
| TB LL_20210125 | CH52479 | SW8260 | 1/25/2021 | 1 | p-Isopropyltoluene | | ug/Kg | U | 0.50 | 5.0 |

**DATA USABILITY SUMMARY REPORT (DUSR)**
**PERFLUORINATED ALKYL SUBTANCES (PFAS)**
USEPA Region II –Data Validation

| | |
|---|---|
| Site: 480 Flushing Ave, Brooklyn, NY | SDG #: L2107715 |
| Laboratory: Alpha Analytical | Date: 3/17/2021 |
| KGS Reviewer: Sherri Pullar | Project: 3020 |

| Client Sample ID | Lab Sample ID | Collection Date | Analysis | Matrix |
|---|---|---|---|---|
| CW1-S | L2107715-01 | 02/16/2021 | PFAS | GW |
| CW1-I | L2107715-02 | 02/16/2021 | PFAS | GW |
| CW1-D | L2107715-03 | 02/16/2021 | PFAS | GW |
| CW2-S | L2107715-04 | 02/16/2021 | PFAS | GW |
| CW2-I | L2107715-05 | 02/16/2021 | PFAS | GW |
| CW2-D | L2107715-06 | 02/16/2021 | PFAS | GW |
| CW3-S | L2107715-07 | 02/17/2021 | PFAS | GW |
| CW3-I | L2107715-08 | 02/17/2021 | PFAS | GW |
| CW3-D | L2107715-09 | 02/17/2021 | PFAS | GW |
| CW4-S | L2107715-10 | 02/17/2021 | PFAS | GW |
| CW4-I | L2107715-11 | 02/17/2021 | PFAS | GW |
| CW4-D | L2107715-12 | 02/17/2021 | PFAS | GW |
| MW Duplicate 2/16 | L2107715-13 | 02/16/2021 | PFAS | GW |
| MW Duplicate 2/17 | L2107715-14 | 02/17/2021 | PFAS | GW |
| Rinsate Blank 2/16* | L2107715-15 | 02/16/2021 | PFAS | RB |
| Rinsate Blank 2/17* | L2107715-16 | 02/17/2021 | PFAS | RB |

*Rinsate Blank 2.16 and Rinsate blank 2/17 were not validated in this SDG as per the client's directive.

Summary - Data validation was performed on the data for fourteen (14) groundwater samples that were collected from 480 Flushing Ave, Brooklyn, NY on 02/16-17/2021 and submitted for PFAS by A2-NY-537-Isotope.

Narrative and Completeness Review – The data package was checked for completeness. No other discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/18/2021 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

*Qualification:* None required.

Holding Times – All aqueous samples were extracted within 14 days from sample collection and analyzed within 28 days following sample extraction.

*Qualification:* None required.

Initial Calibration and Continuing Calibration Verification (CCV) – Initial calibration and continuing calibration verifications met the method acceptance criteria.

*Qualification:* None required.

Surrogates (Extracted Internal Standard) –Surrogate %REC values were within the QC acceptance limits with the exception of M3PFHXS (69%), M2-6:2FTS (157%), M8PFOS (65%), and M6PFDA (58%) in sample CW1-S; M2-6:2FTS (161%) in sample CW2-I; M2-6:2FTS (193%) in sample CW4-S; M2-6:2FTS (149%), M8PFOS (67%), and M6PFDA (60%) in sample CW4-I; and M2-6:2FTS (196%) in sample MW Duplicate 2/17. Result for 6:2FTS was non-detect in sample CW4-I.

*Qualification:* Results for 6:2FTS, PFDA, PFHXS, and PFOS in sample CW1-S; 6:2FTS in samples CW2-I, CW4-S and MW Duplicate 2/17; and PFOS and PFDA in sample CW4-I were qualified as estimated (J).

Method Blank (MB) and Equipment Blank (EB) – Method Blank (WG1467260-1 BL) associated with the samples extracted on 02/23/2021 and analyzed on 02/23/2021. The method blank prepared and analyzed with these samples was free of reported PFAS compounds.

*Qualification:* None required.

Rinsate Blank 2/16 (L2107715-15) was not validated as per the client's directive. Note: This rinsate blank was non-detect for reported PFAS compounds.

*Qualification:* None Required.

Rinsate Blank 2/17 (L2107715-16) was not validated as per the client's directive. Note: This rinsate blank was non-detect for reported PFAS compounds.

*Qualification:* None Required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample associated with Batch ID: WG1467260-2 were analyzed on 02/23/2021. %RECs were within the laboratory control limits except for PFTrDA (160%). Results for PFTrDA were non-detect in the associated field samples.

*Qualification:* None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample CW1-I (L2107715-02). %RECs/RPDs were inside the laboratory control limits with the exception of PFTrDA (171%). Result for PFTrDA in the parent sample was non-detect.

*Qualification:* None required.

Field Duplicate – Two (2) field duplicate pairs were submitted in this SDG. MW Duplicate 2/16 (Lab Sample ID: L2107715-13) was the field duplicate sample of CW1-D (Lab Sample ID: L2107715-03). The FD sample results for detected PFAS in the FD sample pair are summarized in the table below. Result for PFHPS was detected in the field duplicate sample but was non-detect in the field sample. RPDs for the field duplicate pair were <30%.

| Lab Sample ID | L2107715-03 | | L2107715-13 | | |
|---|---|---|---|---|---|
| Client Sample ID | CW1-D | | MW Duplicate 2/16 | | |
| Collection Date | 02/16/2021 | | 02/16/2021 | | |
| **Analyte** | **Result (ng/L)** | **Flag** | **Result (ng/L)** | **Flag** | **%RPD** |
| PFBA | 11.7 | | 11.8 | | 0.9 |
| PFBS | 8.5 | | 8.22 | | 3.3 |
| PFHPA | 16.1 | | 16.5 | | 2.5 |
| PFHPS | ND | | 1.78 | J | NC |
| PFHXA | 18.6 | | 18.4 | | 1.1 |
| PFHXS | 10 | J | 9.5 | | 5.1 |
| PFNA | 1.55 | | 1.54 | J | 0.6 |
| PFOA | 108 | | 112 | | 3.6 |
| PFOS | 30.1 | | 31.1 | | 3.3 |
| PFPEA | 20.7 | | 21.3 | | 2.9 |
| PFOS, TOTAL | 138 | | 143 | | 3.6 |

*Qualification:* Results for PFHPS were qualified as estimated (UJ/J) in the field duplicate pair (CW1-D and MW Duplicate 2/16).

MW Duplicate 2/17 (Lab Sample ID: L2107715-14) was the field duplicate sample of CM4-S (Lab Sample ID: L2107715-10). The FD sample results for detected PFAS in the FD sample pair are summarized in the table below. RPDs for the field duplicate pair were <30%.

| Lab Sample ID | L2107715-10 | | L2107715-14 | | |
|---|---|---|---|---|---|
| Client Sample ID | CW4-S | | MW Duplicate 2/17 | | |
| Collection Date | 02/17/2021 | | 02/17/2021 | | |
| **Analyte** | **Result (ng/L)** | **Flag** | **Result (ng/L)** | **Flag** | **%RPD** |
| 6:2FTS | 1.52 | J | 1.41 | J | 7.5 |
| PFBA | 11.2 | | 11.5 | | 2.6 |
| PFBS | 2.99 | | 2.91 | | 2.7 |
| PFDA | 3.14 | | 2.63 | | 17.7 |
| PFHPA | 23.9 | | 24.4 | | 2.1 |
| PFHXA | 16.4 | | 16.2 | | 1.2 |
| PFHXS | 3.14 | | 3.59 | | 13.4 |
| PFNA | 2.34 | | 2.5 | | 6.6 |
| PFOA | 124 | | 124 | | 0 |
| PFOS | 114 | | 112 | | 1.8 |
| PFPEA | 20.1 | | 19.9 | | 1.0 |
| PFUNA | 0.76 | J | 0.759 | J | 0.5 |
| PFOS, TOTAL | 238 | | 236 | | 0.8 |

*Qualification:* None required.

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

*Qualification:* None required.

-The ratio of quantifier ion response to quantifier ion response fell outside the laboratory criteria for NETFOSAA in sample CW4-D, PFDA in sample CW1-I, PFHPS in samples CW2-I and MW Duplicate 2/16, PFNA in sample CW2-S, and PFUNA in samples CW3-I and CW4-I.

*Qualification*: Result for NETFOSAA in sample CW4-D, PFDA in sample CW1-I, PFHPS in samples CW2-I and MW Duplicate 2/16, PFNA in sample CW2-S, and PFUNA in samples CW3-I and CW4-I were qualified as estimated (J).

Data Review Summary – The PFAS field sample results reported in this SDG are acceptable as reported and may be used for their intended purpose. Note: The rinsate blanks were not validated.
– PFAS data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: L2107715 at the end of the data validation report. Note: The rinsate blank data was not included in the data summary table as it was not validated.

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: L2107715**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.2 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | 2.04 | ng/l | J | 1.32 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.798 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.643 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | 159 | ng/l | | 0.234 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | 4.02 | ng/l | | 0.236 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 12.6 | ng/l | | 0.405 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.973 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | 6.72 | ng/l | J | 0.302 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.369 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.683 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 27.4 | ng/l | | 0.224 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 3.62 | ng/l | J | 0.373 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 23.2 | ng/l | | 0.326 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 4.67 | ng/l | | 0.31 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.576 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 116 | ng/l | J | 0.5 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 43.2 | ng/l | | 0.234 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 20.2 | ng/l | | 0.393 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.246 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.325 | 1.98 |
| CW1-S | L2107715-01 | E537(M) | 2/16/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | 0.945 | ng/l | J | 0.258 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.2 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/l | U | 1.32 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.794 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.64 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | 114 | ng/l | | 0.233 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | 6.18 | ng/l | | 0.235 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 10 | ng/l | | 0.403 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.968 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 11.7 | ng/l | | 0.222 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.368 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.68 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 6.78 | ng/l | | 0.372 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 13.4 | ng/l | | 0.324 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 1.7 | ng/l | J | 0.308 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 38.9 | ng/l | | 0.498 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.573 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 74.7 | ng/l | | 0.233 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 15.2 | ng/l | | 0.391 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | 0.332 | ng/l | J | 0.3 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.245 | 1.98 |
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.323 | 1.98 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: L2107715**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW1-I | L2107715-02 | E537(M) | 2/16/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/l | U | 0.257 | 1.98 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.17 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/l | U | 1.28 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.774 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.623 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 11.7 | ng/l | | 0.392 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | 8.5 | ng/l | | 0.229 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 16.1 | ng/l | | 0.217 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 18.6 | ng/l | | 0.316 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.943 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/l | U | 0.292 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.358 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | UJ | 0.662 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 10 | ng/l | | 0.362 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 1.55 | ng/l | J | 0.3 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 108 | ng/l | | 0.227 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 30.1 | ng/l | | 0.485 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | 138 | ng/l | | 0.227 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 20.7 | ng/l | | 0.381 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.558 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.239 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.315 | 1.92 |
| CW1-D | L2107715-03 | E537(M) | 2/16/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/l | U | 0.25 | 1.92 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 10.1 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/l | U | 11.1 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 6.7 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 5.4 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/l | U | 1.98 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 8.17 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/l | U | 2.53 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 3.1 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 5.73 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | | ng/l | U | 3.13 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | 68.5 | ng/l | | 1.97 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 4.53 | ng/l | J | 3.4 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 4.83 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 3.87 | ng/l | J | 1.88 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 6.33 | ng/l | J | 2.73 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 51.7 | ng/l | | 4.2 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 2.07 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 2.73 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/l | U | 2.17 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 16.8 | ng/l | | 1.97 | 16.7 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: L2107715**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 7.23 | ng/l | J | 3.3 | 16.7 |
| CW2-S | L2107715-04 | E537(M) | 2/16/2021 | 1 | PERFLURONONANOIC ACID (PFNA) | 3.33 | ng/l | J | 2.6 | 16.7 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLURODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.23 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.817 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.659 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUROOCTANESULFONIC ACID (6:2FTS) | 2.85 | ng/l | J | 1.35 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLURODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.996 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | 121 | ng/l | | 0.24 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLURODODECANOIC ACID (PFDOA) | | ng/l | U | 0.378 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROBUTANESULFONIC ACID (PFBS) | 6.74 | ng/l | | 0.242 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROBUTANOIC ACID (PFBA) | 10.4 | ng/l | | 0.415 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLURODECANOIC ACID (PFDA) | 0.476 | ng/l | J | 0.309 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROHEPTANESULFONIC ACID (PFHPS) | 0.793 | ng/l | J | 0.699 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROHEPTANOIC ACID (PFHPA) | 12 | ng/l | | 0.229 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.59 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROHEXANESULFONIC ACID (PFHXS) | 7.35 | ng/l | | 0.382 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROHEXANOIC ACID (PFHXA) | 15.4 | ng/l | | 0.333 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLURONONANOIC ACID (PFNA) | 1.61 | ng/l | J | 0.317 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.252 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.332 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROOCTANESULFONIC ACID (PFOS) | 56.7 | ng/l | | 0.512 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROOCTANOIC ACID (PFOA) | 64.6 | ng/l | | 0.24 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROPENTANOIC ACID (PFPEA) | 19.4 | ng/l | | 0.402 | 2.03 |
| CW2-I | L2107715-05 | E537(M) | 2/16/2021 | 1 | PERFLUROUNDECANOIC ACID (PFUNA) | 0.333 | ng/l | J | 0.264 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLURODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.23 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUROOCTANESULFONIC ACID (6:2FTS) | | ng/l | U | 1.35 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.817 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.658 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLURODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.996 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLURODECANOIC ACID (PFDA) | | ng/l | U | 0.309 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLURODODECANOIC ACID (PFDOA) | | ng/l | U | 0.378 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.699 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | 118 | ng/l | | 0.24 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUROBUTANESULFONIC ACID (PFBS) | 7.2 | ng/l | | 0.242 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUROBUTANOIC ACID (PFBA) | 10.6 | ng/l | | 0.414 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUROHEPTANOIC ACID (PFHPA) | 13.5 | ng/l | | 0.229 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.589 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUROHEXANESULFONIC ACID (PFHXS) | 8.26 | ng/l | | 0.382 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUROHEXANOIC ACID (PFHXA) | 16 | ng/l | | 0.333 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLURONONANOIC ACID (PFNA) | 1.63 | ng/l | J | 0.317 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.252 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.332 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUROUNDECANOIC ACID (PFUNA) | | ng/l | U | 0.264 | 2.03 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
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**GROUNDWATER**
**SDG: L2107715**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 33.4 | ng/l | | 0.512 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 84.1 | ng/l | | 0.24 | 2.03 |
| CW2-D | L2107715-06 | E537(M) | 2/16/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 19.8 | ng/l | | 0.402 | 2.03 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.22 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.812 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.654 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/l | U | 0.24 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.99 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | 1.41 | ng/l | J | 1.34 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.376 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.695 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | 26.7 | ng/l | | 0.238 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 2.45 | ng/l | | 0.412 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | 2.97 | ng/l | | 0.307 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 2.13 | ng/l | | 0.227 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.586 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 0.388 | ng/l | J | 0.38 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 2.32 | ng/l | | 0.331 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 1.87 | ng/l | J | 0.315 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.25 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.33 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 17.8 | ng/l | | 0.509 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 8.88 | ng/l | | 0.238 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 2.11 | ng/l | | 0.4 | 2.02 |
| CW3-S | L2107715-07 | E537(M) | 2/16/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | 0.517 | ng/l | J | 0.262 | 2.02 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.17 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.776 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.625 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | 2.79 | ng/l | | 1.28 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.946 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | 85.9 | ng/l | | 0.228 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.359 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.664 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | 4.04 | ng/l | | 0.23 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 16.8 | ng/l | | 0.394 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | 1.96 | ng/l | | 0.293 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 17.3 | ng/l | | 0.217 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.56 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 3.72 | ng/l | | 0.363 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 24.6 | ng/l | | 0.316 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 1.87 | ng/l | J | 0.301 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.239 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.316 | 1.93 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: L2107715**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 15.7 | ng/l | | 0.486 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 70.2 | ng/l | | 0.228 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 30.9 | ng/l | | 0.382 | 1.93 |
| CW3-I | L2107715-08 | E537(M) | 2/16/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | 0.919 | ng/l | J | 0.251 | 1.93 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.21 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/l | U | 1.33 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.805 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.649 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.981 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/l | U | 0.304 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.372 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.689 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | 94.9 | ng/l | | 0.236 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | 5.94 | ng/l | | 0.238 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 14.7 | ng/l | | 0.408 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 18.4 | ng/l | | 0.226 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.581 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 7.61 | ng/l | | 0.376 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 25.7 | ng/l | | 0.328 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 1.45 | ng/l | J | 0.312 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.248 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.328 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/l | U | 0.26 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 16.9 | ng/l | | 0.505 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 78 | ng/l | | 0.236 | 2 |
| CW3-D | L2107715-09 | E537(M) | 2/16/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 34.6 | ng/l | | 0.396 | 2 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.16 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.77 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.621 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | 1.52 | ng/l | J | 1.28 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.939 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 11.2 | ng/l | | 0.391 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.356 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.659 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | 2.99 | ng/l | | 0.228 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | 3.14 | ng/l | | 0.291 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 23.9 | ng/l | | 0.216 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 16.4 | ng/l | | 0.314 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.556 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 3.14 | ng/l | | 0.36 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 2.34 | ng/l | | 0.299 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 124 | ng/l | | 0.226 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.238 | 1.92 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: L2107715**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.314 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 114 | ng/l | | 0.483 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PFOA/PFOS, TOTAL | 238 | ng/l | | 0.226 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 20.1 | ng/l | | 0.379 | 1.92 |
| CW4-S | L2107715-10 | E537(M) | 2/17/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | 0.755 | ng/l | J | 0.249 | 1.92 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.22 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/l | U | 1.34 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.807 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.65 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.983 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PFOA/PFOS, TOTAL | 129 | ng/l | | 0.237 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.373 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.69 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | 3.17 | ng/l | | 0.239 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 13.2 | ng/l | | 0.409 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | 2.56 | ng/l | J | 0.305 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 14.8 | ng/l | | 0.226 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.582 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 2.86 | ng/l | | 0.377 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 19 | ng/l | | 0.329 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 1.56 | ng/l | J | 0.313 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.249 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.328 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 68.6 | ng/l | J | 0.506 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 60.4 | ng/l | | 0.237 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 24 | ng/l | | 0.397 | 2.01 |
| CW4-I | L2107715-11 | E537(M) | 2/17/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | 0.377 | ng/l | J | 0.261 | 2.01 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.26 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/l | U | 1.38 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.673 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | 1.18 | ng/l | J | 0.835 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 1.02 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PFOA/PFOS, TOTAL | 74.1 | ng/l | | 0.245 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.386 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.714 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | 7.52 | ng/l | | 0.247 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 12.4 | ng/l | | 0.424 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | 0.44 | ng/l | J | 0.316 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 11.4 | ng/l | | 0.234 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.602 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 5.88 | ng/l | | 0.39 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 17.4 | ng/l | | 0.34 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 1.44 | ng/l | J | 0.324 | 2.08 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: L2107715**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.257 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.34 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/l | U | 0.27 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 19.6 | ng/l | | 0.523 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 54.5 | ng/l | | 0.245 | 2.08 |
| CW4-D | L2107715-12 | E537(M) | 2/17/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 22.2 | ng/l | | 0.411 | 2.08 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.19 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/l | U | 1.3 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.787 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.634 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.959 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/l | U | 0.298 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.364 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 11.8 | ng/l | | 0.399 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | 8.22 | ng/l | | 0.233 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.568 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 16.5 | ng/l | | 0.22 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | 1.78 | ng/l | J | 0.674 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 18.4 | ng/l | | 0.321 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 9.5 | ng/l | | 0.368 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 1.54 | ng/l | J | 0.305 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 112 | ng/l | | 0.231 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 31.1 | ng/l | | 0.493 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.243 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.32 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/l | U | 0.254 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | 143 | ng/l | | 0.231 | 1.96 |
| MW DUPLICATE 2/16 | L2107715-13 | E537(M) | 2/16/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 21.3 | ng/l | | 0.388 | 1.96 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.2 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | 1.41 | ng/l | J | 1.32 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.798 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.643 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | 11.5 | ng/l | | 0.405 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | 2.91 | ng/l | | 0.236 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | 2.63 | ng/l | | 0.302 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.973 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | 24.4 | ng/l | | 0.224 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.369 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.683 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | 16.2 | ng/l | | 0.326 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | 3.59 | ng/l | | 0.373 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | 2.5 | ng/l | | 0.31 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | 124 | ng/l | | 0.234 | 1.99 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: L2107715**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.576 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | 112 | ng/l | | 0.5 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PFOA/PFOS, TOTAL | 236 | ng/l | | 0.234 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | 19.9 | ng/l | | 0.393 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.246 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.325 | 1.99 |
| MW DUPLICATE 2/17 | L2107715-14 | E537(M) | 2/17/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | 0.759 | ng/l | J | 0.258 | 1.99 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.09 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/l | U | 1.2 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.722 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.582 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PFOA/PFOS, TOTAL | | ng/l | U | 0.212 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/l | U | 0.214 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | | ng/l | U | 0.367 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.881 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/l | U | 0.273 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.334 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.618 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | | ng/l | U | 0.202 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | | ng/l | U | 0.338 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | | ng/l | U | 0.295 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | | ng/l | U | 0.28 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.521 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | | ng/l | U | 0.453 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | | ng/l | U | 0.212 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | | ng/l | U | 0.356 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.223 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.294 | 1.8 |
| RINSATE BLANK 2/16 | L2107715-15 | E537(M) | 2/16/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/l | U | 0.234 | 1.8 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/l | U | 1.06 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/l | U | 1.16 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/l | U | 0.703 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/l | U | 0.567 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PFOA/PFOS, TOTAL | | ng/l | U | 0.206 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/l | U | 0.208 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | | ng/l | U | 0.357 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/l | U | 0.857 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/l | U | 0.266 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/l | U | 0.325 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/l | U | 0.602 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | | ng/l | U | 0.197 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | | ng/l | U | 0.329 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | | ng/l | U | 0.287 | 1.75 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: L2107715**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLURONONANOIC ACID (PFNA) | | ng/l | U | 0.273 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/l | U | 0.507 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | | ng/l | U | 0.441 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | | ng/l | U | 0.206 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | | ng/l | U | 0.346 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/l | U | 0.217 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/l | U | 0.286 | 1.75 |
| RINSATE BLANK 2/17 | L2107715-16 | E537(M) | 2/17/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/l | U | 0.227 | 1.75 |

**DATA USABILITY SUMMARY REPORT (DUSR)**
**PERFLUORINATED ALKYL SUBTANCES (PFAS)**
USEPA Region II –Data Validation

| | |
|---|---|
| Site: 480 Flushing Ave, Brooklyn, NY | SDG #: L2103965 |
| Laboratory: Alpha Analytical | Date: 03/17/21 |
| KGS Reviewer: Sherri Pullar | Project: 3020 |

| Client Sample ID | Lab Sample ID | Collection Date | Analysis | Matrix |
|---|---|---|---|---|
| SB20-01 (20-25) | L2103965-01 | 1/25/2021 | PFAS | Soil |
| SB20-01 (25-30) | L2103965-02 | 1/25/2021 | PFAS | Soil |
| SB20-01 (30-35) | L2103965-03 | 1/25/2021 | PFAS | Soil |
| SB20-02 (20-25) | L2103965-04 | 1/25/2021 | PFAS | Soil |
| SB20-02 (25-30) | L2103965-05 | 1/25/2021 | PFAS | Soil |
| SB20-02 (30-35) | L2103965-06 | 1/25/2021 | PFAS | Soil |
| SOIL DUPLICATE 1/25 | L2103965-07 | 1/25/2021 | PFAS | Soil |
| Rinsate Blank Soil* | L2103965-08 | 1/25/2021 | PFAS | Soil |

*Rinsate Blank Soil and the associated QC were not validated in this SDG as per the client's directive.

Summary - Data validation was performed on the data for seven (7) soil samples that were collected from 480 Flushing Ave, Brooklyn, NY on 1/25/2021 and submitted for PFAS by A2-NY-537-Isotope.

Narrative and Completeness Review – The data package was checked for completeness. No other discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 1/26/2021 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

*Qualification:* None required.

Holding Times – All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction.

*Qualification:* None required.

Initial Calibration and Continuing Calibration Verification (CCV) – Initial calibration and continuing calibration verifications met the method acceptance criteria.

*Qualification:* None required.

Surrogates (Extracted Internal Standard) –Surrogate %REC values for field samples were within the QC acceptance limits.

*Qualification:* None required.

Method Blank (MB) and Equipment Blank (EB) – Method Blank (WG1459608-1 BL) associated with the samples extracted on 1/28/2021 and analyzed on 1/29/2021. The method blank prepared and analyzed with these samples was non-detect.

*Qualification:* None Required.

Rinsate Blank Soil (L2103965-08) was not validated as per the client's directive. Note: Rinsate Blank Soil sample contained 6:2FTS at a concentration of 4.22 ng/L. Field samples were non-detect for 6:2FTS.

*Qualification:* None Required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample associated with Batch ID: WG1459608-2 was analyzed on 1/29/2021. All %RECs were within the laboratory control limits.

*Qualification:* None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample SB20-01 (20-25) (L2103965-01). All %RECs/RPDs were within the laboratory control limits.

*Qualification:* None required.

Field Duplicate – Soil Duplicate 1/25 (Lab Sample ID: L2103965-07) was the field duplicate sample of SB20-01 (30-35) (Lab Sample ID: L2103965-03). The FD sample results were non-detect for PFAS.

*Qualification:* None required.

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

*Qualification:* None required.

Data Review Summary – The PFAS field sample results reported in this SDG are acceptable as reported and may be used for their intended purpose. Note: The equipment blank and associated QC were not validated.
– PFAS data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: L2103965 at the end of the data validation report. Note: The rinsate blank data was not included in the data summary table as it was not validated.

# 480 FLUSHING AVE
# BROOKLYN, NY
# DATA SUMMARY TABLE
# SOIL
# SDG: L2103965

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLURODECANESULFONIC ACID (8:2FTS) | | ng/g | U | 0.314 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUROOCTANESULFONIC ACID (6:2FTS) | | ng/g | U | 0.197 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | N-ETHYL PERFLUROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/g | U | 0.093 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | N-METHYL PERFLUROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/g | U | 0.221 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PFOA/PFOS, TOTAL | | ng/g | U | 0.046 | 0.274 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/g | U | 0.043 | 0.274 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | | ng/g | U | 0.025 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/g | U | 0.168 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/g | U | 0.073 | 0.274 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/g | U | 0.077 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/g | U | 0.15 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | | ng/g | U | 0.049 | 0.274 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | | ng/g | U | 0.066 | 0.274 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | | ng/g | U | 0.058 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLURONONANOIC ACID (PFNA) | | ng/g | U | 0.082 | 0.274 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/g | U | 0.107 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | | ng/g | U | 0.142 | 0.274 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | | ng/g | U | 0.046 | 0.274 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | | ng/g | U | 0.05 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/g | U | 0.059 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/g | U | 0.224 | 0.548 |
| SB20-01 (20-25) | L2103965-01 | E537(M) | 1/25/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/g | U | 0.051 | 0.548 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLURODECANESULFONIC ACID (8:2FTS) | | ng/g | U | 0.29 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUROOCTANESULFONIC ACID (6:2FTS) | | ng/g | U | 0.181 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | N-ETHYL PERFLUROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/g | U | 0.085 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | N-METHYL PERFLUROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/g | U | 0.204 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PFOA/PFOS, TOTAL | | ng/g | U | 0.042 | 0.253 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/g | U | 0.039 | 0.253 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | | ng/g | U | 0.023 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/g | U | 0.155 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/g | U | 0.068 | 0.253 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/g | U | 0.071 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/g | U | 0.138 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | | ng/g | U | 0.046 | 0.253 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | | ng/g | U | 0.061 | 0.253 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | | ng/g | U | 0.053 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLURONONANOIC ACID (PFNA) | | ng/g | U | 0.076 | 0.253 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/g | U | 0.099 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | | ng/g | U | 0.131 | 0.253 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | | ng/g | U | 0.042 | 0.253 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | | ng/g | U | 0.047 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/g | U | 0.055 | 0.506 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**SOIL**
**SDG: L2103965**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/g | U | 0.207 | 0.506 |
| SB20-01 (25-30) | L2103965-02 | E537(M) | 1/25/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/g | U | 0.047 | 0.506 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/g | U | 0.334 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/g | U | 0.209 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/g | U | 0.098 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/g | U | 0.234 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PFOA/PFOS, TOTAL | | ng/g | U | 0.049 | 0.291 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/g | U | 0.045 | 0.291 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | | ng/g | U | 0.026 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/g | U | 0.178 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/g | U | 0.078 | 0.291 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/g | U | 0.082 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/g | U | 0.159 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | | ng/g | U | 0.053 | 0.291 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | | ng/g | U | 0.07 | 0.291 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | | ng/g | U | 0.061 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | | ng/g | U | 0.087 | 0.291 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/g | U | 0.114 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | | ng/g | U | 0.151 | 0.291 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | | ng/g | U | 0.049 | 0.291 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | | ng/g | U | 0.054 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/g | U | 0.063 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/g | U | 0.238 | 0.582 |
| SB20-01 (30-35) | L2103965-03 | E537(M) | 1/25/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/g | U | 0.055 | 0.582 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/g | U | 0.316 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/g | U | 0.198 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/g | U | 0.093 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/g | U | 0.222 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PFOA/PFOS, TOTAL | | ng/g | U | 0.046 | 0.276 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/g | U | 0.043 | 0.276 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | | ng/g | U | 0.025 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/g | U | 0.169 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/g | U | 0.074 | 0.276 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/g | U | 0.077 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/g | U | 0.15 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | | ng/g | U | 0.05 | 0.276 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | | ng/g | U | 0.067 | 0.276 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | | ng/g | U | 0.058 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | | ng/g | U | 0.083 | 0.276 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/g | U | 0.108 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | | ng/g | U | 0.143 | 0.276 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | | ng/g | U | 0.046 | 0.276 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**SOIL**
**SDG: L2103965**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | | ng/g | U | 0.051 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/g | U | 0.06 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/g | U | 0.226 | 0.552 |
| SB20-02 (20-25) | L2103965-04 | E537(M) | 1/25/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/g | U | 0.052 | 0.552 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/g | U | 0.35 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/g | U | 0.219 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/g | U | 0.103 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/g | U | 0.246 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PFOA/PFOS, TOTAL | | ng/g | U | 0.051 | 0.305 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/g | U | 0.048 | 0.305 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | | ng/g | U | 0.028 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/g | U | 0.186 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/g | U | 0.082 | 0.305 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/g | U | 0.085 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/g | U | 0.166 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | | ng/g | U | 0.055 | 0.305 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | | ng/g | U | 0.074 | 0.305 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | | ng/g | U | 0.064 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | | ng/g | U | 0.092 | 0.305 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/g | U | 0.12 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | | ng/g | U | 0.158 | 0.305 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | | ng/g | U | 0.051 | 0.305 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | | ng/g | U | 0.056 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/g | U | 0.066 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/g | U | 0.249 | 0.61 |
| SB20-02 (25-30) | L2103965-05 | E537(M) | 1/25/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/g | U | 0.057 | 0.61 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | | ng/g | U | 0.328 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | | ng/g | U | 0.205 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/g | U | 0.097 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/g | U | 0.23 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PFOA/PFOS, TOTAL | | ng/g | U | 0.048 | 0.286 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/g | U | 0.045 | 0.286 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | | ng/g | U | 0.026 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/g | U | 0.175 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/g | U | 0.077 | 0.286 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/g | U | 0.08 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/g | U | 0.156 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | | ng/g | U | 0.052 | 0.286 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | | ng/g | U | 0.069 | 0.286 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | | ng/g | U | 0.06 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUORONONANOIC ACID (PFNA) | | ng/g | U | 0.086 | 0.286 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/g | U | 0.112 | 0.571 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**SOIL**
**SDG: L2103965**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | | ng/g | U | 0.148 | 0.286 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | | ng/g | U | 0.048 | 0.286 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | | ng/g | U | 0.053 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/g | U | 0.062 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/g | U | 0.234 | 0.571 |
| SB20-02 (30-35) | L2103965-06 | E537(M) | 1/25/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/g | U | 0.053 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLURODECANESULFONIC ACID (8:2FTS) | | ng/g | U | 0.328 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | 1H,1H,2H,2H-PERFLUROOCTANESULFONIC ACID (6:2FTS) | | ng/g | U | 0.205 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | N-ETHYL PERFLUROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | | ng/g | U | 0.097 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | N-METHYL PERFLUROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | | ng/g | U | 0.23 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PFOA/PFOS, TOTAL | | ng/g | U | 0.048 | 0.286 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANESULFONIC ACID (PFBS) | | ng/g | U | 0.045 | 0.286 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROBUTANOIC ACID (PFBA) | | ng/g | U | 0.026 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANESULFONIC ACID (PFDS) | | ng/g | U | 0.175 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUORODECANOIC ACID (PFDA) | | ng/g | U | 0.077 | 0.286 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUORODODECANOIC ACID (PFDOA) | | ng/g | U | 0.08 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANESULFONIC ACID (PFHPS) | | ng/g | U | 0.156 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEPTANOIC ACID (PFHPA) | | ng/g | U | 0.052 | 0.286 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANESULFONIC ACID (PFHXS) | | ng/g | U | 0.069 | 0.286 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROHEXANOIC ACID (PFHXA) | | ng/g | U | 0.06 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLURONONANOIC ACID (PFNA) | | ng/g | U | 0.086 | 0.286 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONAMIDE (FOSA) | | ng/g | U | 0.112 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | | ng/g | U | 0.148 | 0.286 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROOCTANOIC ACID (PFOA) | | ng/g | U | 0.048 | 0.286 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROPENTANOIC ACID (PFPEA) | | ng/g | U | 0.053 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROTETRADECANOIC ACID (PFTA) | | ng/g | U | 0.062 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROTRIDECANOIC ACID (PFTRDA) | | ng/g | U | 0.234 | 0.571 |
| SOIL DUPLICATE | L2103965-07 | E537(M) | 1/25/2021 | 1 | PERFLUOROUNDECANOIC ACID (PFUNA) | | ng/g | U | 0.054 | 0.571 |

**DATA USABILITY SUMMARY REPORT (DUSR)**
**VOLATILE ORGANIC COMPOUNDS**
USEPA Region II –Data Validation

| | |
|---|---|
| Site: 480 Flushing Ave, Brooklyn, NY | SDG #: GCH64711 |
| Laboratory: Phoenix Environmental Laboratories, Inc. | Date: 03/17/21 |
| KGS Reviewer: Sherri Pullar | Project: 3020 |

| Client Sample ID | Lab Sample ID | Collection Date | Analysis | Matrix |
|---|---|---|---|---|
| CW1-S | CH64711 | 02/16/2021 | VOC | GW |
| CW1-I | CH64712 | 02/16/2021 | VOC | GW |
| CW1-D | CH64713 | 02/16/2021 | VOC | GW |
| CW2-S | CH64714 | 02/16/2021 | VOC | GW |
| CW2-I | CH64715 | 02/16/2021 | VOC | GW |
| CW2-D | CH64716 | 02/16/2021 | VOC | GW |
| CW3-S | CH64717 | 02/17/2021 | VOC | GW |
| CW3-I | CH64718 | 02/17/2021 | VOC | GW |
| CW3-D | CH64719 | 02/17/2021 | VOC | GW |
| CW4-S | CH64720 | 02/17/2021 | VOC | GW |
| CW4-I | CH64721 | 02/17/2021 | VOC | GW |
| CW4-D | CH64722 | 02/17/2021 | VOC | GW |
| MW Duplicate (2/16) | CH64723 | 02/16/2021 | VOC | GW |
| MW Duplicate (2/17) | CH64724 | 02/17/2021 | VOC | GW |
| Trip Blank | CH51886 | 01/22/2021 | VOC | Trip Blank |

Summary - Data validation was performed on the data for fourteen (14) groundwater (GW) samples and one (1) trip blank (TB) sample that were collected from 480 Flushing Ave, Brooklyn, NY on 02/16-17/2021 and submitted for Volatile Organic (VOC) analyses by SW846 Method 8260C. All sample results in this SDG were subjected to Level 4 data validation.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/18/2021 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

*Qualification:* None required.

Holding Times –All samples were analyzed within the 14-day holding time required for GW samples.

*Qualification:* None required.

GC/MS Tuning - All BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

*Qualification:* None required.

Initial Calibration - Initial calibration curve analyzed on 02/18/2021 (CHEM02) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

*Qualification:* None required.

Continuing Calibration Verification (CCV) - The %D for the CCVs analyzed and reported with these samples on 02/19/2021 were within acceptance limits for target VOCs.

*Qualification:* None required.

- The %D for the CCVs analyzed and reported with these samples on 02/19/2021 were within acceptance limits for target VOCs.

*Qualification:* None required.

- The %D for the CCVs analyzed and reported with these samples on 02/19-20/2021 were within acceptance limits for all target VOCs.

*Qualification:* None required.

Surrogates –Surrogate percent recoveries were within the control limits for all the samples.

*Qualification:* None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area counts for all internal standards.

*Qualification:* None required.

MS/MSD – Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample CW1-I (CH64712). %RECs/RPDs were inside the laboratory control limits.

*Qualification:* None required.

Method Blank – The three (3) method blanks were prepared and analyzed with these samples and were free of contamination.

*Qualification:* None required.

Field Blanks – Trip Blank (Lab Sample ID: CH64725), was submitted with this sample set and was free of contamination.

*Qualification:* None required.

Field Duplicate — Two duplicate pairs were submitted with this SDG. Sample MW Duplicate (2/16) (Lab Sample ID: CH64723) was the field duplicate sample of CW1-D (Lab Sample ID: CH64713). **Note:** The field duplicate samples could not be compared due to the different dilutions performed on each sample.

*Qualification:* None required.

Sample MW Duplicate (2/17) (Lab Sample ID: CH64724) was the field duplicate sample of CW4-S (Lab Sample ID: CH64720). **Note:** The field duplicate samples could not be compared due to the different dilutions performed on each sample.

*Qualification:* None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

*Qualification:* None required.

– Sample compound spectra were compared against the laboratory standard spectra.

*Qualification:* None required.

Compound Quantitation –Analyte non-detections were reported as "U"; these results should be considered the equivalent of "RL U." Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

*Qualification:* None required.

– All sample results were reported within the linear calibration range.

*Qualification:* None required.

Manual Calculation

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)}$$

Cx = concentration of analyte as µg/L
Ax = Area of the characteristic ion for the compound to be measured, counts.
Ais = Area of the characteristic ion for the specific internal standard, counts.
IS = Concentration of the internal standard spiking mixture, ng
RRF= Mean relative response factor from the initial calibration.
DF = Dilution factor calculated. If no dilution is performed, DF= 1
V= Volume for liquids in ml, weight for soils/solids in grams.

CW1-D (CH51878)

1,1-Dichloroethene
Sample Volume= 25ml
Volume purged=250ml
DF = 1

$$\text{Concentration (µg/L)} = \frac{14199 \times 25 \times 10 \times 1}{439217 \times 1.020 \times 25} = 0.32 \text{ µg/L}$$

| Compound | Laboratory (µg/L) | Validation (µg/L) | %D |
|---|---|---|---|
| 1,1-Dichloroethene | 0.32 | 0.32 | 0.0 |

Data Review Summary –The VOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.
– Volatile water data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCH64711 at the end of the data validation report.

**DATA USABILITY SUMMARY REPORT (DUSR)**
**SEMI-VOLATILE ORGANIC COMPOUNDS (1,4-DIOXANE)**
USEPA Region II –Data Validation

| | |
|---|---|
| Site: 480 Flushing Ave, Brooklyn, NY | SDG #: GCH64711 |
| Laboratory: Phoenix Environmental Laboratories, Inc. | Date: 03/17/21 |
| KGS Reviewer: Sherri Pullar | Project: 3020 |

| Client Sample ID | Lab Sample ID | Collection Date | Analysis | Matrix |
|---|---|---|---|---|
| CW1-S | CH64711 | 02/16/2021 | SVOC | GW |
| CW1-I | CH64712 | 02/16/2021 | SVOC | GW |
| CW1-D | CH64713 | 02/16/2021 | SVOC | GW |
| CW2-S | CH64714 | 02/16/2021 | SVOC | GW |
| CW2-I | CH64715 | 02/16/2021 | SVOC | GW |
| CW2-D | CH64716 | 02/16/2021 | SVOC | GW |
| CW3-S | CH64717 | 02/17/2021 | SVOC | GW |
| CW3-I | CH64718 | 02/17/2021 | SVOC | GW |
| CW3-D | CH64719 | 02/17/2021 | SVOC | GW |
| CW4-S | CH64720 | 02/17/2021 | SVOC | GW |
| CW4-I | CH64721 | 02/17/2021 | SVOC | GW |
| CW4-D | CH64722 | 02/17/2021 | SVOC | GW |
| MW Duplicate (2/16) | CH64723 | 02/16/2021 | SVOC | GW |
| MW Duplicate (2/17) | CH64724 | 02/17/2021 | SVOC | GW |

Summary - Data validation was performed on the data for fourteen (14) groundwater (GW) samples that were collected from 480 Flushing Ave, Brooklyn, NY on 02/26-27/2021 and submitted for Semi-Volatile Organic (SVOC) analyses for 1,4-dioxane by SW846 Method 8270C. All sample results in this SDG were subjected to Level 4 data validation.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/18/2021 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

*Qualification:* None required.

Holding Times – All water samples were extracted within 7 days from sample collection and analyzed within 40 days following sample extraction.

*Qualification:* None required.

GC/MS Tuning – All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

*Qualification:* None required.

Initial Calibration – Initial calibration curve analyzed on 12/03/2020 (CHEM22)- Scan for 1,4-dioxane exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

*Qualification:* None required.

Continuing Calibration Verification (CCV) – CCV analyzed on 02/23/2021 (CHEM22)-scan for 1,4-dioxane exhibited unacceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A.

*Qualification:* Results for 1,4-dioxane were qualified as estimated (J) in Samples CW1-D, CW2-S, CW3-S, CW3-I, CW3-D, CW4-S, CW4-I, CW4-D, and MW Duplicate (2/16).

Surrogates – All surrogate %REC values were within the QC acceptance limits for the SIM scan.

*Qualification:* None required.

Internal Standard (IS) Area Performance – All samples exhibited acceptable area count for the internal standard for 1,4-dioxane.

*Qualification:* None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CH64712 BLANK)-Scan for 1,4-dixone associated with the water samples extracted on 01/26/2021 and analyzed on 02/23/2021 was free of contamination.

*Qualification:* None required.

Field Duplicate — Two duplicate pairs were submitted with this SDG. Sample MW Duplicate (2/16) (Lab Sample ID: CH64723) was the field duplicate sample of CW1-D (Lab Sample ID: CH64713). The FD sample results for detected 1,4-Dioxane in the FD sample pair are summarized in the table below. RPD was >50% between the field duplicate pair.

| Lab Sample ID | CH64713 | | CH64723 | | |
|---|---|---|---|---|---|
| Client Sample ID | CW1-D | | MW Duplicate (2/16) | | |
| Collection Date | 2/16/2021 | | 2/16/2021 | | |
| **Analyte** | **Result (µg/L)** | **Flag** | **Result (µg/L)** | **Flag** | **%RPD** |
| 1,4-Dioxane | 0.21 | | 4.1 | | **180.5** |

*Qualification:* Results for 1,4-dioxane were qualified as estimated (J) in field duplicate pair (CW1-D and MW Duplicate (2/16).

Sample MW Duplicate (2/17) (Lab Sample ID: CH64724) was the field duplicate sample of CW4-S (Lab Sample ID: CH64720). The FD sample results for detected 1,4-Dioxane in the FD sample pair are summarized in the table below. 1,4-Dioxane was detected in the field sample and was non-detect in the field duplicate sample.

| Lab Sample ID | CH64720 | | CH64724 | | |
|---|---|---|---|---|---|
| Client Sample ID | CW4-S | | MW Duplicate (2/17) | | |
| Collection Date | 2/17/2021 | | 2/17/2021 | | |
| **Analyte** | **Result (µg/L)** | **Flag** | **Result (µg/L)** | **Flag** | **%RPD** |
| 1,4-Dioxane | 3.1 | | ND | | NC |

*Qualification:* The results for 1,4-dioxane in the field duplicate pair (CW4-S and MW Duplicate (2/17)) were qualified as estimated (J/UJ, respectively).

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample CW1-I (CH64712). %REC/RPD were inside the laboratory control limits for 1,4-Dioxane.

*Qualification:* None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

*Qualification:* None required.

Manual Calculation

$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(\text{Volume injected, } \mu L)(V)}$$

Cx = concentration of analyte as ug/L
Ax = Area of the characteristic ion for the compound to be measured, counts.
Ais = Area of the characteristic ion for the specific internal standard, counts.
IS = Concentration of the internal standard spiking mixture, ng
RRF= Mean relative response factor from the initial calibration.
DF = Dilution factor calculated. If no dilution is performed, DF= 1
V= Volume for liquids in ml, weight for soils/solids in grams.
VE= final volume of concentrated extract

Sample: CH64712 LCS

1,4-Dioxane

Initial Volume: 100ml

Final volume: 1ml
Volume injected: 1µl
Dilution Factor: 1

$$\text{Concentration } (\mu g/L) = \frac{49716 \times 5 \times 1ml \times 1 \times 1000}{421387 \times 0.264 \times 1 \times 10ml} = 223\mu g/L$$

| Compound | Laboratory (µg/L) | Validation (µg/L) | %D |
|---|---|---|---|
| 1,4-Dioxane | 223.9 | 223.9 | 0.0 |

Data Review Summary –The 1,4-dioxane results reported in this SDG are acceptable as reported and may be used for their intended purpose.
–1,4-Dioxane water data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCH64711 at the end of the data validation report.

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Ethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Toluene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | cis-1,2-Dichloroethene | 5.6 | ug/L | | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | trans-1,2-Dichloroethene | | ug/L | U | 0.25 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | m&p-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Acetone | | ug/L | U | 2.5 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Chloroform | 3.9 | ug/L | J | 0.25 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,1,1-Trichloroethane | 2.1 | ug/L | J | 0.25 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Chloroethane | | ug/L | U | 0.25 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Vinyl chloride | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Methylene chloride | | ug/L | U | 1.0 | 3.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethane | | ug/L | U | 0.25 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Trichlorotrifluoroethane | 0.50 | ug/L | J | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Trichloroethene | 27 | ug/L | | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | o-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,2-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-S_20210216 | CH64711 | SW8260 | 2/16/2021 | 5 | Tetrachloroethene | 74 | ug/L | | 1.3 | 5.0 |
| CW1-S_20210216 | CH64711 | SW8270C-SIM | 2/16/2021 | 1 | 1,4-dioxane | | ug/L | U | 0.20 | 0.20 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 10 | Tetrachloroethene | 100 | ug/L | | 2.5 | 10 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 10 | cis-1,2-Dichloroethene | 170 | ug/L | | 2.5 | 10 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 10 | Trichloroethene | 30 | ug/L | | 2.5 | 10 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Ethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Toluene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | trans-1,2-Dichloroethene | 0.54 | ug/L | J | 0.25 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | m&p-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Acetone | | ug/L | U | 2.5 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Chloroform | | ug/L | U | 0.25 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,1,1-Trichloroethane | 1.5 | ug/L | J | 0.25 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Chloroethane | | ug/L | U | 0.25 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Vinyl chloride | 0.29 | ug/L | J | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Methylene chloride | | ug/L | U | 1.0 | 3.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethane | 0.43 | ug/L | J | 0.25 | 5.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethene | 0.67 | ug/L | J | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Trichlorotrifluoroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | o-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,2-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8260 | 2/16/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-I_20210216 | CH64712 | SW8270C-SIM | 2/16/2021 | 1 | 1,4-dioxane | | ug/L | U | 0.20 | 0.20 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,1,1-Trichloroethane | 5.9 | ug/L | | 0.25 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethane | 0.68 | ug/L | J | 0.25 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Acetone | | ug/L | U | 2.5 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethene | 0.32 | ug/L | J | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 5 | cis-1,2-Dichloroethene | 34 | ug/L | | 1.3 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Ethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | 1,2-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | o-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Chloroethane | | ug/L | U | 0.25 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Toluene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Chloroform | | ug/L | U | 0.25 | 5.0 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | m&p-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8270C-SIM | 2/16/2021 | 1 | 1,4-dioxane | 0.21 | ug/L | J | 0.20 | 0.20 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Methylene chloride | | ug/L | U | 1.0 | 3.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 5 | Tetrachloroethene | 34 | ug/L | | 1.3 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | trans-1,2-Dichloroethene | | ug/L | U | 0.25 | 5.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Trichloroethene | 11 | ug/L | | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Trichlorotrifluoroethane | | ug/L | U | 0.25 | 1.0 |
| CW1-D_20210216 | CH64713 | SW8260 | 2/16/2021 | 1 | Vinyl chloride | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Ethylbenzene | 0.46 | ug/L | J | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,3,5-Trimethylbenzene | 0.26 | ug/L | J | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Toluene | 1.1 | ug/L | | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | cis-1,2-Dichloroethene | 4.7 | ug/L | | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | trans-1,2-Dichloroethene | | ug/L | U | 0.25 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | m&p-Xylene | 1.1 | ug/L | | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Acetone | 9.7 | ug/L | | 2.5 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,1,1-Trichloroethane | 1.6 | ug/L | J | 0.25 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Chloroethane | | ug/L | U | 0.25 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Vinyl chloride | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Methylene chloride | | ug/L | U | 1.0 | 3.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Bromodichloromethane | 0.41 | ug/L | J | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethane | | ug/L | U | 0.25 | 5.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Trichlorotrifluoroethane | 1.5 | ug/L | | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Trichloroethene | 11 | ug/L | | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | o-Xylene | 0.79 | ug/L | J | 0.25 | 1.0 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,2-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trimethylbenzene | 0.42 | ug/L | J | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 10 | Tetrachloroethene | 76 | ug/L | | 2.5 | 10 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 10 | Chloroform | 30 | ug/L | | 2.5 | 7.0 |
| CW2-S_20210216 | CH64714 | SW8260 | 2/16/2021 | 10 | Naphthalene | 130 | ug/L | | 10 | 10 |
| CW2-S_20210216 | CH64714 | SW8270C-SIM | 2/16/2021 | 1 | 1,4-dioxane | 0.73 | ug/L | J | 0.20 | 0.20 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 20 | Tetrachloroethene | 220 | ug/L | | 5.0 | 20 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 20 | cis-1,2-Dichloroethene | 190 | ug/L | | 5.0 | 20 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 20 | Trichloroethene | 36 | ug/L | | 5.0 | 20 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Ethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Toluene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | trans-1,2-Dichloroethene | 0.53 | ug/L | J | 0.25 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | m&p-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Acetone | | ug/L | U | 2.5 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Chloroform | 1.7 | ug/L | J | 0.25 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,1,1-Trichloroethane | 1.6 | ug/L | J | 0.25 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Chloroethane | | ug/L | U | 0.25 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Vinyl chloride | 0.72 | ug/L | J | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Methylene chloride | | ug/L | U | 1.0 | 3.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethane | 0.63 | ug/L | J | 0.25 | 5.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethene | 0.70 | ug/L | J | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Trichlorotrifluoroethane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | o-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,2-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8260 | 2/16/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-I_20210216 | CH64715 | SW8270C-SIM | 2/16/2021 | 1 | 1,4-dioxane | | ug/L | U | 0.20 | 0.20 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 10 | Tetrachloroethene | 140 | ug/L | | 2.5 | 10 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 10 | cis-1,2-Dichloroethene | 110 | ug/L | | 2.5 | 10 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Ethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Toluene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | trans-1,2-Dichloroethene | 0.30 | ug/L | J | 0.25 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | m&p-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Acetone | | ug/L | U | 2.5 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Chloroform | 1.2 | ug/L | J | 0.25 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,1,1-Trichloroethane | 21 | ug/L | | 0.25 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Chloroethane | | ug/L | U | 0.25 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Vinyl chloride | 0.32 | ug/L | J | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Methylene chloride | | ug/L | U | 1.0 | 3.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethane | 2.9 | ug/L | J | 0.25 | 5.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,1-Dichloroethene | 1.1 | ug/L | | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Trichlorotrifluoroethane | | ug/L | U | 0.25 | 1.0 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Trichloroethene | 27 | ug/L | | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | o-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,2-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8260 | 2/16/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW2-D_20210216 | CH64716 | SW8270C-SIM | 2/16/2021 | 1 | 1,4-dioxane | | ug/L | U | 0.20 | 0.20 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 10 | Tetrachloroethene | 92 | ug/L | | 2.5 | 10 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 10 | cis-1,2-Dichloroethene | 51 | ug/L | | 2.5 | 10 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Ethylbenzene | 6.3 | ug/L | | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Toluene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | trans-1,2-Dichloroethene | 0.32 | ug/L | J | 0.25 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | m&p-Xylene | 22 | ug/L | | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Acetone | 20 | ug/L | | 2.5 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Chloroform | 2.2 | ug/L | J | 0.25 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,1,1-Trichloroethane | 27 | ug/L | | 0.25 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Chloroethane | | ug/L | U | 0.25 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Vinyl chloride | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Methylene chloride | | ug/L | U | 1.0 | 3.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloroethane | 1.8 | ug/L | J | 0.25 | 5.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloroethene | 0.74 | ug/L | J | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Trichlorotrifluoroethane | 0.86 | ug/L | J | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Trichloroethene | 24 | ug/L | | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | o-Xylene | 6.7 | ug/L | | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,2-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8260 | 2/17/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW3-S_20210217 | CH64717 | SW8270C-SIM | 2/17/2021 | 1 | 1,4-dioxane | 0.51 | ug/L | J | 0.20 | 0.20 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 500 | Tetrachloroethene | 7300 | ug/L | | 130 | 500 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Ethylbenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Styrene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | cis-1,3-Dichloropropene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | trans-1,3-Dichloropropene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | n-Propylbenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | n-Butylbenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 4-Chlorotoluene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,4-Dichlorobenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,2-Dibromoethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Acrolein | | ug/L | U | 50 | 50 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,2-Dichloroethane | | ug/L | U | 10 | 10 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Acrylonitrile | | ug/L | U | 10 | 10 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 4-Methyl-2-pentanone | | ug/L | U | 50 | 50 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,3,5-Trimethylbenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Bromobenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Toluene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Chlorobenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Tetrahydrofuran (THF) | | ug/L | U | 50 | 50 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | trans-1,4-dichloro-2-butene | | ug/L | U | 50 | 50 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,2,4-Trichlorobenzene | | ug/L | U | 5.0 | 20 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Dibromochloromethane | | ug/L | U | 5.0 | 20 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | sec-Butylbenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,3-Dichloropropane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | cis-1,2-Dichloroethene | 25 | ug/L | | 5.0 | 20 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | trans-1,2-Dichloroethene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Methyl t-butyl ether (MTBE) | | ug/L | U | 5.0 | 20 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | m&p-Xylene | | ug/L | U | 5.0 | 20 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 2-Isopropyltoluene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,3-Dichlorobenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Carbon tetrachloride | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,1-Dichloropropene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 2-Hexanone | | ug/L | U | 50 | 50 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 2,2-Dichloropropane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Acetone | | ug/L | U | 50 | 50 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Chloroform | | ug/L | U | 5.0 | 7.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Benzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,1,1-Trichloroethane | 290 | ug/L | | 5.0 | 100 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Bromomethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Chloromethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Dibromomethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Bromochloromethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Chloroethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Vinyl chloride | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Methylene chloride | | ug/L | U | 10 | 10 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Carbon Disulfide | | ug/L | U | 5.0 | 20 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Bromoform | | ug/L | U | 5.0 | 50 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Bromodichloromethane | | ug/L | U | 5.0 | 20 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,1-Dichloroethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,1-Dichloroethene | 18 | ug/L | | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Tert-butyl alcohol | | ug/L | U | 200 | 1000 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Trichlorofluoromethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Dichlorodifluoromethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Trichlorotrifluoroethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,2-Dichloropropane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Methyl ethyl ketone | | ug/L | U | 50 | 50 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,1,2-Trichloroethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Trichloroethene | 45 | ug/L | | 5.0 | 20 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,2,3-Trichlorobenzene | | ug/L | U | 5.0 | 20 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Hexachlorobutadiene | | ug/L | U | 4.0 | 4.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Naphthalene | | ug/L | U | 10 | 10 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | o-Xylene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 2-Chlorotoluene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,2-Dichlorobenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,2,4-Trimethylbenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 10 | 10 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | 1,2,3-Trichloropropane | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | tert-Butylbenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | Isopropylbenzene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8260 | 2/17/2021 | 20 | p-Isopropyltoluene | | ug/L | U | 5.0 | 5.0 |
| CW3-I_20210217 | CH64718 | SW8270C-SIM | 2/17/2021 | 1 | 1,4-dioxane | 3.1 | ug/L | J | 0.20 | 0.20 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Ethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Toluene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | cis-1,2-Dichloroethene | 3.7 | ug/L | | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | trans-1,2-Dichloroethene | 0.43 | ug/L | J | 0.25 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | m&p-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Acetone | | ug/L | U | 2.5 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Chloroform | 0.72 | ug/L | J | 0.25 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,1,1-Trichloroethane | 3.0 | ug/L | J | 0.25 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Chloroethane | | ug/L | U | 0.25 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Vinyl chloride | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Methylene chloride | | ug/L | U | 1.0 | 3.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloroethane | | ug/L | U | 0.25 | 5.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloroethene | 0.53 | ug/L | J | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Trichlorotrifluoroethane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Trichloroethene | 24 | ug/L | | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | o-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,2-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW3-D_20210217 | CH64719 | SW8260 | 2/17/2021 | 10 | Tetrachloroethene | 200 | ug/L | | 2.5 | 10 |
| CW3-D_20210217 | CH64719 | SW8270C-SIM | 2/17/2021 | 1 | 1,4-dioxane | 0.20 | ug/L | J | 0.20 | 0.20 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Ethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Toluene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 20 | 1,1,1-Trichloroethane | 280 | ug/L | | 5.0 | 100 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 20 | 1,1-Dichloroethane | 71 | ug/L | | 5.0 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloroethene | 4.2 | ug/L | | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Acetone | | ug/L | U | 2.5 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,2-Dichlorobenzene | 0.32 | ug/L | J | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Chloroethane | 2.7 | ug/L | J | 0.25 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Chloroform | 6.4 | ug/L | | 0.25 | 5.0 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | cis-1,2-Dichloroethene | 28 | ug/L | | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | m&p-Xylene | 0.44 | ug/L | J | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Methylene chloride | 1.3 | ug/L | J | 1.0 | 3.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | o-Xylene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Tetrachloroethene | 18 | ug/L | | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | trans-1,2-Dichloroethene | 0.86 | ug/L | J | 0.25 | 5.0 |
| CW4-S_20210217 | CH64720 | SW8270C-SIM | 2/17/2021 | 1 | 1,4-dioxane | 3.1 | ug/L | J | 0.20 | 0.20 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Trichloroethene | 23 | ug/L | | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Trichlorotrifluoroethane | 3.0 | ug/L | | 0.25 | 1.0 |
| CW4-S_20210217 | CH64720 | SW8260 | 2/17/2021 | 1 | Vinyl chloride | 22 | ug/L | | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Ethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | n-Propylbenzene | 0.28 | ug/L | J | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Toluene | 0.82 | ug/L | J | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | sec-Butylbenzene | 0.41 | ug/L | J | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | trans-1,2-Dichloroethene | 1.3 | ug/L | J | 0.25 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | m&p-Xylene | 0.26 | ug/L | J | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Acetone | | ug/L | U | 2.5 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Chloroform | 1.7 | ug/L | J | 0.25 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Chloroethane | 0.41 | ug/L | J | 0.25 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Methylene chloride | | ug/L | U | 1.0 | 3.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloroethane | 16 | ug/L | | 0.25 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloroethene | 14 | ug/L | | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Trichlorotrifluoroethane | 0.74 | ug/L | J | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | o-Xylene | 0.29 | ug/L | J | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,2-Dichlorobenzene | 0.64 | ug/L | J | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | Isopropylbenzene | 0.28 | ug/L | J | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 10 | Tetrachloroethene | 28 | ug/L | | 2.5 | 10 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 10 | cis-1,2-Dichloroethene | 260 | ug/L | | 2.5 | 10 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 10 | 1,1,1-Trichloroethane | 29 | ug/L | | 2.5 | 5.0 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 10 | Vinyl chloride | 200 | ug/L | | 2.5 | 10 |
| CW4-I_20210217 | CH64721 | SW8260 | 2/17/2021 | 10 | Trichloroethene | 57 | ug/L | | 2.5 | 10 |
| CW4-I_20210217 | CH64721 | SW8270C-SIM | 2/17/2021 | 1 | 1,4-dioxane | 5.9 | ug/L | J | 0.20 | 0.20 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 100 | Tetrachloroethene | 1400 | ug/L | | 25 | 100 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Ethylbenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Styrene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | cis-1,3-Dichloropropene | | ug/L | U | 2.5 | 2.5 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | trans-1,3-Dichloropropene | | ug/L | U | 2.5 | 2.5 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | n-Propylbenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | n-Butylbenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 4-Chlorotoluene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,4-Dichlorobenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,2-Dibromoethane | | ug/L | U | 2.5 | 2.5 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Acrolein | | ug/L | U | 25 | 25 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,2-Dichloroethane | | ug/L | U | 5.0 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Acrylonitrile | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 4-Methyl-2-pentanone | | ug/L | U | 25 | 25 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,3,5-Trimethylbenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Bromobenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Toluene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Chlorobenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Tetrahydrofuran (THF) | | ug/L | U | 25 | 50 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | trans-1,4-dichloro-2-butene | | ug/L | U | 25 | 25 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,2,4-Trichlorobenzene | | ug/L | U | 2.5 | 10 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Dibromochloromethane | | ug/L | U | 2.5 | 10 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | sec-Butylbenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,3-Dichloropropane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | cis-1,2-Dichloroethene | 21 | ug/L | | 2.5 | 10 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | trans-1,2-Dichloroethene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Methyl t-butyl ether (MTBE) | | ug/L | U | 2.5 | 10 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | m&p-Xylene | | ug/L | U | 2.5 | 10 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 2-Isopropyltoluene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,3-Dichlorobenzene | | ug/L | U | 2.5 | 3.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Carbon tetrachloride | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,1-Dichloropropene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 2-Hexanone | | ug/L | U | 25 | 25 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 2,2-Dichloropropane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Acetone | | ug/L | U | 25 | 50 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Chloroform | | ug/L | U | 2.5 | 7.0 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Benzene | | ug/L | U | 2.5 | 2.5 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,1,1-Trichloroethane | 96 | ug/L | | 2.5 | 50 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Bromomethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Chloromethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Dibromomethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Bromochloromethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Chloroethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Vinyl chloride | | ug/L | U | 2.5 | 2.5 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Methylene chloride | | ug/L | U | 5.0 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Carbon Disulfide | | ug/L | U | 2.5 | 10 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Bromoform | | ug/L | U | 2.5 | 50 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Bromodichloromethane | | ug/L | U | 2.5 | 10 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,1-Dichloroethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,1-Dichloroethene | 7.6 | ug/L | | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Tert-butyl alcohol | | ug/L | U | 100 | 500 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Trichlorofluoromethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Dichlorodifluoromethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Trichlorotrifluoroethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,2-Dichloropropane | | ug/L | U | 2.5 | 2.5 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Methyl ethyl ketone | | ug/L | U | 25 | 25 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,1,2-Trichloroethane | | ug/L | U | 2.5 | 2.5 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Trichloroethene | 63 | ug/L | | 2.5 | 10 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,2,3-Trichlorobenzene | | ug/L | U | 2.5 | 10 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Hexachlorobutadiene | | ug/L | U | 2.0 | 2.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Naphthalene | | ug/L | U | 5.0 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | o-Xylene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 2-Chlorotoluene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,2-Dichlorobenzene | | ug/L | U | 2.5 | 4.7 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,2,4-Trimethylbenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 5.0 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | 1,2,3-Trichloropropane | | ug/L | U | 2.5 | 2.5 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | tert-Butylbenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | Isopropylbenzene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8260 | 2/17/2021 | 10 | p-Isopropyltoluene | | ug/L | U | 2.5 | 5.0 |
| CW4-D_20210217 | CH64722 | SW8270C-SIM | 2/17/2021 | 1 | 1,4-dioxane | 0.78 | ug/L | J | 0.20 | 0.20 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 20 | 1,1,1-Trichloroethane | 270 | ug/L | | 5.0 | 100 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 5 | 1,1-Dichloroethane | 73 | ug/L | | 1.3 | 25 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloroethene | 4.4 | ug/L | | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,2-Dichlorobenzene | 0.34 | ug/L | J | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Chloroethane | 2.8 | ug/L | J | 0.25 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Chloroform | 6.2 | ug/L | | 0.25 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | m&p-Xylene | 0.42 | ug/L | J | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Methylene chloride | 1.3 | ug/L | J | 1.0 | 3.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Acetone | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 5 | Tetrachloroethene | 15 | ug/L | | 1.3 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 5 | cis-1,2-Dichloroethene | 27 | ug/L | | 1.3 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Ethylbenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | trans-1,2-Dichloroethene | 0.88 | ug/L | J | 0.25 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | o-Xylene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Trichloroethene | 24 | ug/L | | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Toluene | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Trichlorotrifluoroethane | 3.0 | ug/L | | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8260 | 2/17/2021 | 1 | Vinyl chloride | 25 | ug/L | | 0.25 | 1.0 |
| MW DUPLICATE (2/16)_20210216 | CH64723 | SW8270C-SIM | 2/17/2021 | 1 | 1,4-dioxane | 4.1 | ug/L | J | 0.20 | 0.20 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,1,1-Trichloroethane | 6.1 | ug/L | | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | cis-1,2-Dichloroethene | 35 | ug/L | | 2.5 | 10 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Tetrachloroethene | 33 | ug/L | | 2.5 | 10 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Ethylbenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Styrene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | cis-1,3-Dichloropropene | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | trans-1,3-Dichloropropene | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | n-Propylbenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | n-Butylbenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 4-Chlorotoluene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,4-Dichlorobenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,2-Dibromoethane | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Acrolein | | ug/L | U | 25 | 25 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,2-Dichloroethane | | ug/L | U | 5.0 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Acrylonitrile | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 4-Methyl-2-pentanone | | ug/L | U | 25 | 25 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,3,5-Trimethylbenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Bromobenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Toluene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Chlorobenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Tetrahydrofuran (THF) | | ug/L | U | 25 | 50 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | trans-1,4-dichloro-2-butene | | ug/L | U | 25 | 25 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,2,4-Trichlorobenzene | | ug/L | U | 2.5 | 10 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Dibromochloromethane | | ug/L | U | 2.5 | 10 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | sec-Butylbenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,3-Dichloropropane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Trichloroethene | 10 | ug/L | | 2.5 | 10 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | trans-1,2-Dichloroethene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Methyl t-butyl ether (MTBE) | | ug/L | U | 2.5 | 10 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | m&p-Xylene | | ug/L | U | 2.5 | 10 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 2-Isopropyltoluene | | ug/L | U | 2.5 | 5.0 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,3-Dichlorobenzene | | ug/L | U | 2.5 | 3.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Carbon tetrachloride | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,1-Dichloropropene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 2-Hexanone | | ug/L | U | 25 | 25 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 2,2-Dichloropropane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Acetone | | ug/L | U | 25 | 50 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Chloroform | | ug/L | U | 2.5 | 7.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Benzene | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Bromomethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Chloromethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Dibromomethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Bromochloromethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Chloroethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Vinyl chloride | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Methylene chloride | | ug/L | U | 5.0 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Carbon Disulfide | | ug/L | U | 2.5 | 10 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Bromoform | | ug/L | U | 2.5 | 50 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Bromodichloromethane | | ug/L | U | 2.5 | 10 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,1-Dichloroethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,1-Dichloroethene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Tert-butyl alcohol | | ug/L | U | 100 | 500 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Trichlorofluoromethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Dichlorodifluoromethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Trichlorotrifluoroethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,2-Dichloropropane | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Methyl ethyl ketone | | ug/L | U | 25 | 25 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,1,2-Trichloroethane | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,2,3-Trichlorobenzene | | ug/L | U | 2.5 | 10 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Hexachlorobutadiene | | ug/L | U | 2.0 | 2.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Naphthalene | | ug/L | U | 5.0 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | o-Xylene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 2-Chlorotoluene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,2-Dichlorobenzene | | ug/L | U | 2.5 | 4.7 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,2,4-Trimethylbenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 5.0 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | 1,2,3-Trichloropropane | | ug/L | U | 2.5 | 2.5 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | tert-Butylbenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | Isopropylbenzene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8260 | 2/17/2021 | 10 | p-Isopropyltoluene | | ug/L | U | 2.5 | 5.0 |
| MW DUPLICATE (2/17)_20210217 | CH64724 | SW8270C-SIM | 2/17/2021 | 1 | 1,4-dioxane | | ug/L | UJ | 0.20 | 0.20 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Ethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Styrene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | cis-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | trans-1,3-Dichloropropene | | ug/L | U | 0.25 | 0.40 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | n-Propylbenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | n-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 4-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,4-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromoethane | | ug/L | U | 0.25 | 0.25 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Acrolein | | ug/L | U | 2.5 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloroethane | | ug/L | U | 0.50 | 0.60 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Acrylonitrile | | ug/L | U | 0.25 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 4-Methyl-2-pentanone | | ug/L | U | 2.5 | 2.5 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,3,5-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Bromobenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Toluene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Chlorobenzene | | ug/L | U | 0.25 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Tetrahydrofuran (THF) | | ug/L | U | 2.5 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | trans-1,4-dichloro-2-butene | | ug/L | U | 2.5 | 2.5 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,4-dioxane | | ug/L | U | 50 | 100 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Dibromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Tetrachloroethene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | sec-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,3-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | cis-1,2-Dichloroethene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | trans-1,2-Dichloroethene | | ug/L | U | 0.25 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Methyl t-butyl ether (MTBE) | | ug/L | U | 0.25 | 1.0 |

**480 FLUSHING AVE**
**BROOKLYN, NY**
**DATA SUMMARY TABLE**
**GROUNDWATER**
**SDG: GCH64711**

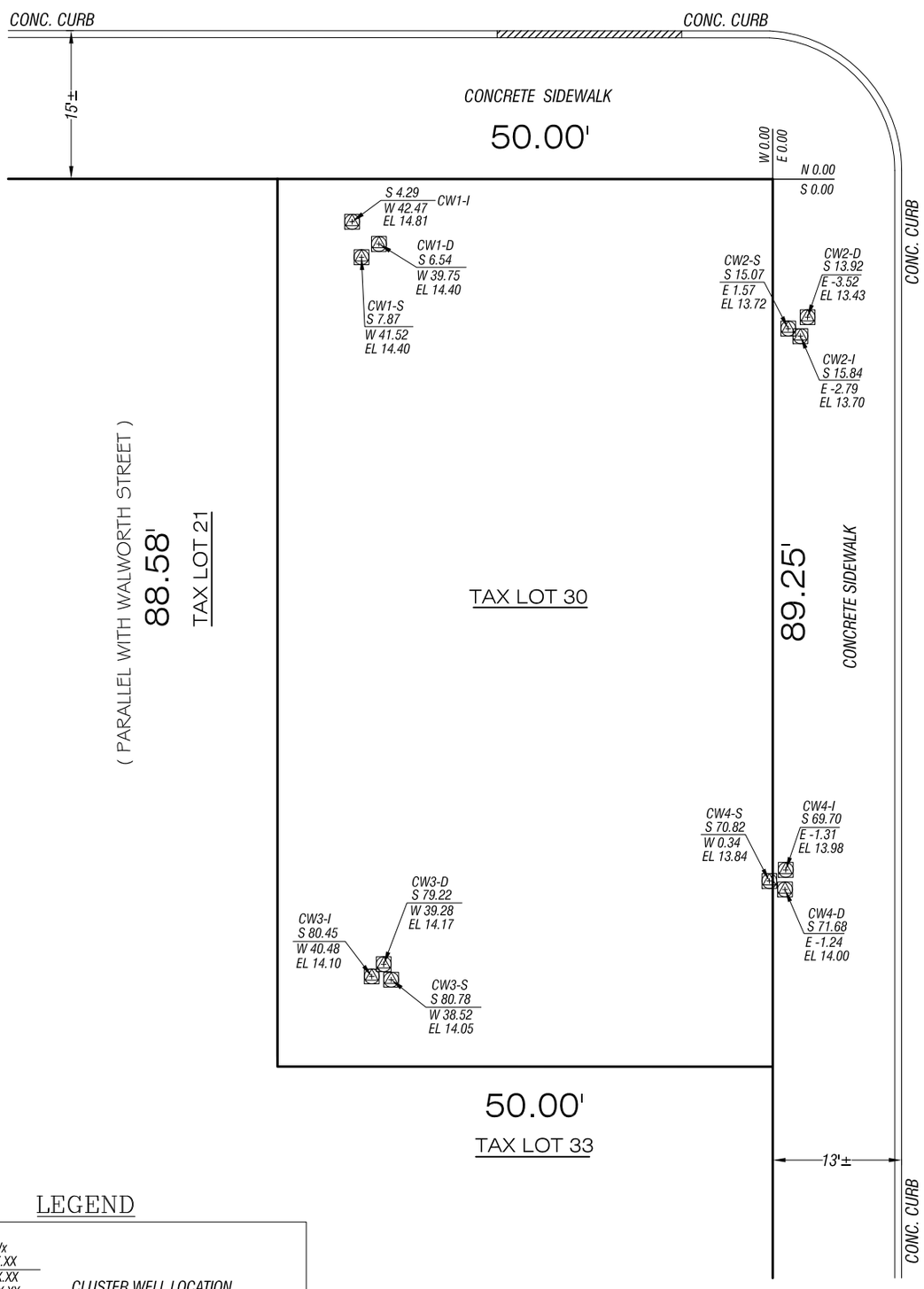
| Sample Name | Lab ID | Analytical Method | Collection Date | Dilution Factor | Analyte | Result | Unit | Qualifier | MDL | RL |
|---|---|---|---|---|---|---|---|---|---|---|
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | m&p-Xylene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 2-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,3-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Carbon tetrachloride | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloropropene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 2-Hexanone | | ug/L | U | 2.5 | 2.5 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 2,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,1,1,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Acetone | | ug/L | U | 2.5 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Chloroform | | ug/L | U | 0.25 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Benzene | | ug/L | U | 0.25 | 0.70 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,1,1-Trichloroethane | | ug/L | U | 0.25 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Bromomethane | | ug/L | U | 0.25 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Chloromethane | | ug/L | U | 0.25 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Dibromomethane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Bromochloromethane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Chloroethane | | ug/L | U | 0.25 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Vinyl chloride | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Methylene chloride | | ug/L | U | 1.0 | 3.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Carbon Disulfide | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Bromoform | | ug/L | U | 0.25 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Bromodichloromethane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloroethane | | ug/L | U | 0.25 | 5.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,1-Dichloroethene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Tert-butyl alcohol | | ug/L | U | 10 | 50 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Trichlorofluoromethane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Dichlorodifluoromethane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Trichlorotrifluoroethane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,2-Dichloropropane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Methyl ethyl ketone | | ug/L | U | 2.5 | 2.5 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,1,2-Trichloroethane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Trichloroethene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,1,2,2-Tetrachloroethane | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Hexachlorobutadiene | | ug/L | U | 0.20 | 0.50 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Naphthalene | | ug/L | U | 1.0 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | o-Xylene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 2-Chlorotoluene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,2-Dichlorobenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,2,4-Trimethylbenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,2-Dibromo-3-chloropropane | | ug/L | U | 0.50 | 0.50 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | 1,2,3-Trichloropropane | | ug/L | U | 0.25 | 0.25 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | tert-Butylbenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | Isopropylbenzene | | ug/L | U | 0.25 | 1.0 |
| CH64725-TB_20210217 | CH64725 | SW8260 | 2/17/2021 | 1 | p-Isopropyltoluene | | ug/L | U | 0.25 | 1.0 |

# ***APPENDIX - G***

## *Monitoring Well Elevation Survey*

JOB # VB 865 ADDRESS:480 FLUSHING AVENUE

# FLUSHING ( 70' WIDE ) AVENUE




WALWORTH STREET ( 50' WIDE )

N

W E

S

## LEGEND

CWx
S XX.XX
W XX.XX
EL XX.XX

CLUSTER WELL LOCATION WITH COORDINATES REFERENCE TO 0.00 AS SHOWN

PROPERTY LINE BOUNDARY

STANDARD: U.S. FEET

8 0 16 32

SCALE: 1 INCH = 16 FEET

| CAPTION | MONITORING WELL LOCATION SURVEY |
|---|---|
| DATE | REVISIONS |
| 02-16-2021 | MONITORING WELL LOCATION SURVEY |
| | |

GENERAL NOTES:

1. This survey was prepared only for the party (parties) and purpose indicated hereon.
2. Property corner monuments or markers were (not) placed as part of this survey.
3. Certifications on this survey map signify that the map was prepared in accordance with the current existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. Said certifications are limited to the party (parties) for whom the survey is prepared and are not transferable.
4. The location and nature of underground structures, internal walls and improvements or encroachments not visible to the surveyor are not covered under this certification.
5. Easements of record are only guaranteed if an Abstract of Title is furnished to the surveyor.
6. This is to certify that there are no streams nor natural water courses on the property except as shown on this survey.
7. Elevations refer to NAVD 1988 datum.

STATE OF NEW YORK VINCENT TEUTONICO 050307 LICENSED LAND SURVEYOR

VINCENT TEUTONICO, L.S.
NEW YORK LICENSE 050307

**MAP OF SURVEY OF PROPERTY**
**IN THE BOROUGH AND COUNTY OF BROOKLYN**
**CITY AND STATE OF NEW YORK**
**TAX MAP: BLOCK 1716, LOT 30**


CITY MAPPING, INC.
114-34 122nd STREET
SOUTH OZONE PARK
NY 11420
TEL: 718-751-6871
email: citymapping@yahoo.com

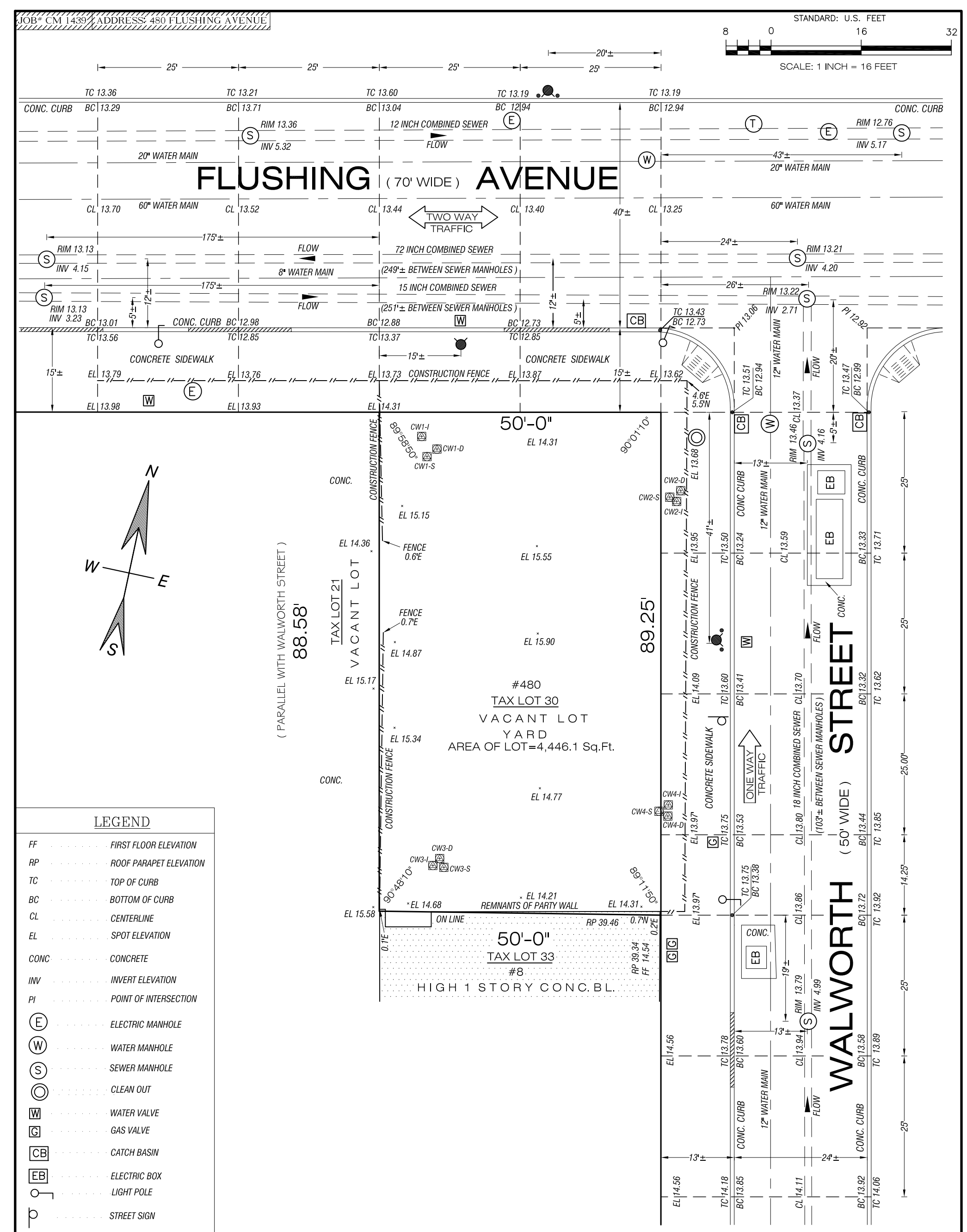

| | DATE | BY | | DATE | BY |
|---|---|---|---|---|---|
| SURVEYED | 02-16-21 | V.B & V.J | DRAWN | 02-19-20 | A.K. |

JOB# CM 1439 / ADDRESS: 480 FLUSHING AVENUE

STANDARD: U.S. FEET

8 0 16 32

SCALE: 1 INCH = 16 FEET




## LEGEND

| | |
|---|---|
| FF | FIRST FLOOR ELEVATION |
| RP | ROOF PARAPET ELEVATION |
| TC | TOP OF CURB |
| BC | BOTTOM OF CURB |
| CL | CENTERLINE |
| EL | SPOT ELEVATION |
| CONC | CONCRETE |
| INV | INVERT ELEVATION |
| PI | POINT OF INTERSECTION |
| (E) | ELECTRIC MANHOLE |
| (W) | WATER MANHOLE |
| (S) | SEWER MANHOLE |
| | CLEAN OUT |
| W | WATER VALVE |
| G | GAS VALVE |
| CB | CATCH BASIN |
| EB | ELECTRIC BOX |
| | LIGHT POLE |
| | STREET SIGN |
| | HYDRANT |
| | PEDESTRIAN RAMP |
| | CONSTRUCTION FENCE |
| | DROP CURB |

| CAPTION | ARCHITECTURAL SURVEY |
|---|---|
| DATE | REVISIONS |
| 02-16-2021 | ARCHITECTURAL SURVEY |
| | |

GENERAL NOTES:

1. This survey was prepared only for the party (parties) and purpose indicated hereon.
2. Property corner monuments or markers were (not) placed as part of this survey.
3. Certifications on this survey map signify that the map was prepared in accordance with the current existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. Said certifications are limited to the party (parties) for whom the survey is prepared and are not transferable.
4. The location and nature of underground structures, internal walls and improvements or encroachments not visible to the surveyor are not covered under this certification.
5. Easements of record are only guaranteed if an Abstract of Title is furnished to the surveyor.
6. This is to certify that there are no streams nor natural water courses on the property except as shown on this survey.
7. Elevations refer to NAVD 1988 datum.

STATE OF NEW YORK · VINCENT TEUTONICO · 050307 · LICENSED LAND SURVEYOR

VINCENT TEUTONICO, L.S.
NEW YORK LICENSE 050307

**MAP OF SURVEY OF PROPERTY**
**IN THE BOROUGH AND COUNTY OF BROOKLYN**
**CITY AND STATE OF NEW YORK**
**TAX MAP: BLOCK 1716, LOT 30**


CITY MAPPING, INC.
114-34 122nd STREET
SOUTH OZONE PARK
NY 11420
TEL: 718-751-6871
email: citymapping@yahoo.com


| | DATE | BY | | DATE | BY |
|---|---|---|---|---|---|
| SURVEYED | 02-16-2021 | V.B & V.J | DRAWN | 02-19-2021 | A.K |

# ***APPENDIX - H***

## *Prior Reports*

# Limited Phase II Site Investigation Report

## 480 FLUSHING AVENUE
## BROOKLYN, NEW YORK 11205
## Block 1716, Lot 30

**Prepared for:**

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AAA Group R.E. Services Inc.,
100-A Broadway
Brooklyn, New York 11221

**Prepared by:**

David B. Oloke
Sr. Geologist

Alpha-Hydro Environmental
1503 Wave Avenue
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**Job #:** A-H 14-1337

**Date:** 07/24/2014

Alpha-Hydro Environmental

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1. Site Location Map
2. Site Map
3. Surrounding Property Map

# APPENDICES

A. Soil Probe Logs
B. Laboratory Analytical Report

# 1.0 INTRODUCTION

Alpha-Hydro Environmental (AHE) has been retained by AAA Group R.E. Services Inc., to conduct a Limited Phase II Site Investigation for the property located at 480 Flushing Avenue in Brooklyn, New York (the Site). Figure 1 provides a Site Location Map. The purpose of the Phase II Site Investigation is to determine whether soil and groundwater impacts exist due to the historical usage of the Site as an auto repair shop.

### 1.1 Site Location and Current Usage

The subject property consists of two lots (30 & 33) is situated at the northwest corner of Flushing Avenue and Walworth Street. Lot 30 (480 – 484 Flushing Avenue) is improved with a one-story, concrete block, slab on grade building with no basement, built in 1931. The Site is currently operated as an automobile repair shop known as MEYR Auto Center (see Figure 2 - provides a site map).

### 1.2 Site Description and Surrounding Properties

The current land uses of the surrounding properties are a combination of mixed used commercial/industrial and residential buildings. Figure 3 – provides the surrounding property map.

There are no surface water bodies or regulated wetlands adjacent to the Site. The Site is bordered to the north by Flushing Avenue and commercial properties. To the west and south is a one story industrial/manufacturing building. The Site is bordered to the east by Walworth Street.

# 2.0 SITE SETTING

## 2.1 Site Characteristics

### 2.1.1 Topography

The Site is zoned as M1-2 with no commercial overlay. M1-2 zoning permits light industries which typically includes woodworking shops, auto storage and repair shops and wholesale service and storage facilities. The Site ground surface elevation is approximately fifty (50) feet above mean sea level, USGS 7.5-minutes map series Brooklyn Quadrangle, New York, 1995. Information gathered from the New York City Department of City Planning, indicates that lot 30 it is approximately 4,450 square feet (sf) in area. The Site is designated as block 1716, lot 30 & 30.

### 2.1.2 Regional Geology

In the Boroughs of Brooklyn and Queens, a generalized expression of ice agencies is found in the drift. The whole region expresses the tumultuous transportation from the north of material furnished by the multiplied agencies of frost, denudation, weathering, and mechanical stress. Clays, sand, gravel, and great hills of conglomerate, packed from top to bottom with cobblestones.

### 2.1.3 Hydrology

Groundwater is found within unconsolidated sediments below the ground surface. It also occurs in bedrock within secondary permeability zones such as fractures, faults and foliation planes. Visual observation of soil cores retrieved during the site investigation showed soil samples to be saturated at approximately fourteen (14) feet below grade.

# 3.0 SITE HISTORY

A Phase I environmental site assessment (ESA) was performed at the Site by Alpha-Hydro Environmental at the Site on June 10, 2014. The findings of the Phase I ESA revealed evidence of property use as an auto repair facility for about 25 years and with the presence of leaks, staining and spills on the floor of the Site.

# 4.0 WORK PERFORMED

### 4.1 Subsurface Soil Investigation

The subsurface soil investigation consists of advancing three [3] soil probes at select locations on the site. The site investigation was intended to determine whether there have been any impacts caused by spills and leaks observed at the Site.

On July 11, 2014, Trinity Environmental Corp. located in Deer Park NY utilized a direct push technology (Geoprobe® 7720) to perform the subsurface soil investigation at the Site. The direct push drilling method was utilized to retrieve soil samples from three [3] soil probes (SP-1 to SP-3) using a 5-foot long, 2-inch diameter Macro Core lined with acetate sleeves that were advanced to pre-determined depths. All three soil probes were advanced continuously from grade to fifteen [15] feet below grade (see Figure 4 – Sampling Plan).

Each soil sample retrieved was screened for organic vapors with a photo ionization detector (see Table 1 – Headspace Analysis) and evaluated for visual and olfactory evidence of environmental impacts. The soil description was recorded in a soil boring log (see Appendix A – Soil Probe Logs).

Table 1
Headspace Analysis

| Soil Probe Number | Sampling Depth Below Grade (ft.) | PID Readings (ppm) |
|---|---|---|
| **SP-1** | 0 – 2’ | 0.2 |
| | 2 - 4’ | 0.6 |
| | 4 – 6’ | 0.3 |
| | 6 – 8’ | 1.3* |
| | 8 – 10’ | 0.4 |
| | 10 – 12’ | 0.7 |
| | 12 – 14’ | 0.9 |
| **SP-2** | 0 – 2’ | 0.8 |
| | 2 - 4’ | No recovery |
| | 4 – 6’ | 0.6 |
| | 6 – 8’ | 0.9 |
| | 8 – 10’ | 0.9 |
| | 10 – 12’ | 1.2* |
| | 12 – 14’ | 1.3 |
| **SP-3** | 0 – 2’ | 0.6 |
| | 2 - 4’ | 0.2 |
| | 4 – 6’ | 0.4 |
| | 6 – 8’ | 1.1 |
| | 8 – 10’ | 0.6 |
| | 10 – 12’ | 1.8* |
| | 12 – 14’ | 1.0 |

*….Samples retained for laboratory analysis

A summary of the headspace analysis indicates that no PID readings higher than 2 ppm were detected in any of the soil samples retrieved.

One [1] soil sample from each soil probe [SP-1 (6 - 8); SP-2 (10 - 12) and SP-3 (10 -12)] was retained for analysis. The soil samples were containerized in appropriate laboratory issued glassware and placed in a cooler filled with ice and maintained at a maximum 4 degrees

Celsius. The samples were transported under proper chain-of-custody procedures to a New York State Department of Health ELAP-certified laboratory for analysis. The soil samples were analyzed for volatile organic compounds (VOCs) via USEPA Method 8260, semi-volatile compounds (SVOCs) via USEPA Method 8270 and eight RCRA Metals.

### 4.2 Groundwater Investigation

Two [2] temporary groundwater monitoring wells (TW-1) and (TW-2) were retrofitted in SP-2 and SP-3 respectively utilizing the track-mounted Geoprobe® 7720. The probe rod was fitted with a groundwater sampler SP16 and was advanced to approximately fourteen (14) feet where the groundwater screen was exposed which then allows groundwater to flow into the groundwater sampler. A quarter-inch groundwater tubing with a check valve was utilized to purge TW-1 and TW-2 of three to five well volumes prior to sampling.

After purging, TW-1 and TW-2 was sampled and containerized in a laboratory issued glass jar and was appropriately labeled and placed in the same cooler as the soil samples. The groundwater samples were transported under proper chain-of-custody procedures to York Analytical laboratory for analysis. The groundwater samples were analyzed for VOCs via USEPA Method 8260, SVOCs via USEPA Method 8270 and 8 RCRA Metals.

# 5.0 DISCUSSION OF RESULTS

This section provides the laboratory analytical data and findings. The complete laboratory analytical data reports are included in Appendix B.

## 5.1 Sub-surface Soil Sampling Results

The subsurface soil sampling results are summarized in Tables 2 to 4 and are compared with the New York State 6NYCRR Part 375-6.8 Recommended Soil Cleanup Objectives (RSCOs).

### 5.1.1 Volatile Organic Compounds

A summary of the laboratory analytical results indicate that all targeted VOCs in SP-1 (6 -8), SP-2 (10 - 12) and SP-3 (10 -12) were either below the laboratory's method detection limit and/or the Unrestricted Use Recommended Soil Cleanup Objectives (see Table 2 – Soil Analytical Results for Volatile Organic Compounds).

### 5.1.2 Semi-Volatile Organic Compounds in Soil

A summary of the laboratory analytical results indicates that all targeted SVOCs in SP-1 (6 - 8) were below the laboratory's method detection limit and/or the Unrestricted Use Recommended Soil Cleanup Objectives. Five compounds in SP -2 (10 – 12) and six compounds in SP-3 (10 – 12) exceeded the Recommended Soli Cleanup Objectives. The exceedances of these compounds are attributed to the presence of historical urban fill material (see Table 3 – Soil Analytical Results for Semi-volatile Organic Compounds).

### 5.1.3 RCRA Metals in Soil

A summary of the laboratory analytical results indicates that all targeted Metal in SP-1 (6 - 8), SP-2 (10 – 12) and SP-3 (10 – 12) were below the laboratory's method detection limit and/or the Unrestricted Use Recommended Soil Cleanup Objectives (see Table 4 – Soil Analytical Results for Semi-volatile Organic Compounds).

## 5.2 Groundwater Sampling Results

The groundwater sampling results are summarized in Tables 5 to 7 and are compared with the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

### 5.2.1 Volatile Organic Compounds in Groundwater

A summary of the laboratory analytical results indicate that three (3) compounds ( Chloroform -17 µg/L, Tetrachloroethylene – 32 µg/L and Trichloroethylene – 8.1 µg/L) were detected in TW-1, above the Groundwater Quality Standards. In TW-2, three compounds were also detected ( cis-1,2-Dichloroethylene -20 µg/L, Tetrachloroethylene – 65 µg/L and Trichloroethylene – 17 µg/L) above the Groundwater Quality Standards. All other compounds detected were either below the laboratory's method detection limit and/or the Groundwater Quality Standards (see Table 5 – Groundwater Analytical Results for Volatile Organic Compounds).

### 5.2.2 Semi-Volatile Organic Compounds in Groundwater

A summary of the laboratory analytical results indicate that all targeted SVOCs in TW-1 and TW-2 were below the laboratory's method detection limit and/or the Groundwater Quality Standards (see Table 6 – Groundwater Analytical Results for Semi-volatile Organic Compounds).

### 5.2.3 RCRA Metals in Groundwater

A summary of the laboratory analytical results indicate that all targeted RCRA Metals in TW-1 and TW-2 were below the laboratory's method detection limit and/or the Groundwater Quality Standards (see Table 7 – Groundwater Analytical Results for Semi-volatile Organic Compounds).

# 6.0 QUALITY ASSURANCE/QUALITY CONTROL

## 6.1 Quality Assurance/Quality Control Procedures

QA/QC procedures was used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures was used (1) to document that samples are representative of actual conditions at the Site and (2) identify possible cross-contamination from field activities or sample transit.

## 6.2 Field QA/QC

Field QA/QC included the following procedures:

- Calibration of field equipment, including PID
- Use of dedicated and/or disposable field sampling equipment;
- Proper sample handling and preservation;
- Proper sample chain of custody documentation; and
- Completion of report logs.

# 7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the laboratory analytical results and PID readings of the soil and groundwater samples obtained, there are no significant soil and/or groundwater contamination detected. The historical use of the Site as an auto repair shop has not impacted upon the soil and groundwater present beneath the Site.

Accordingly, Alpha-Hydro Environmental is of the opinion that no further soil and/or groundwater investigation is necessary and that the Site should be suitable for its proposed future use.

# Tables

Table 2
Soil Analytical Results for Volatile Organic Compounds (µg/kg)
480 Flushing Avenue, Brooklyn NY

| Sample Identification | SP-1 | SP-2 | SP-3 | Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6.8) | Restricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6.8b) Commercial |
|---|---|---|---|---|---|
| Depth | 6' - 8' | 10' - 12' | 10' - 12' | | |
| Sample Date | 7/11/14 | 7/11/14 | 7/11/14 | | |
| Sample Matrix | Soil | Soil | Soil | | |
| Units | µg/kg | µg/kg | µg/kg | | |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | NS | NS |
| 1,1,1-Trichloroethane | ND | ND | ND | 680 | 500,000 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | NS | NS |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | ND | ND | NS | NS |
| 1,1,2-Trichloroethane | ND | ND | ND | NS | NS |
| 1,1-Dichloroethane | ND | ND | ND | 270 | 240,000 |
| 1,1-Dichloroethylene | ND | ND | ND | 330 | 500,000 |
| 1,1-Dichloropropylene | ND | ND | ND | NS | NS |
| 1,2,3-Trichlorobenzene | ND | ND | ND | NS | NS |
| 1,2,3-Trichloropropane | ND | ND | ND | NS | NS |
| 1,2,4-Trichlorobenzene | ND | ND | ND | NS | NS |
| 1,2,4-Trimethylbenzene | ND | ND | ND | 3,600 | 190,000 |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | NS | NS |
| 1,2-Dibromoethane | ND | ND | ND | NS | NS |
| 1,2-Dichlorobenzene | ND | ND | ND | 1,100 | 500,000 |
| 1,2-Dichloroethane | ND | ND | ND | 20 | 30,000 |
| 1,2-Dichloropropane | ND | ND | ND | NS | NS |
| 1,3,5-Trimethylbenzene | ND | ND | ND | 8,400 | 190,000 |
| 1,3-Dichlorobenzene | ND | ND | ND | 2,400 | 280,000 |
| 1,3-Dichloropropane | ND | ND | ND | NS | NS |
| 1,4-Dichlorobenzene | ND | ND | ND | 1,800 | 130,000 |
| 1,4-Dioxane | ND | ND | ND | 100 | 130,000 |
| 2,2-Dichloropropane | ND | ND | ND | NS | NS |
| 2-Butanone | ND | ND | 6.1 J | NS | NS |
| 2-Chlorotoluene | ND | ND | ND | NS | NS |
| 4-Chlorotoluene | ND | ND | ND | NS | NS |
| Acetone | ND | 31 | 34 | 50 | 500,000 |
| Benzene | ND | ND | ND | 60 | 44,000 |
| Bromobenzene | ND | ND | ND | NS | NS |
| Bromochloromethane | ND | ND | ND | NS | NS |
| Bromodichloromethane | ND | ND | ND | NS | NS |
| Bromoform | ND | ND | ND | NS | NS |
| Bromomethane | ND | ND | ND | NS | NS |
| Carbon tetrachloride | ND | ND | ND | 760 | 22,000 |
| Chlorobenzene | ND | ND | ND | 1,100 | 500,000 |
| Chloroethane | ND | ND | ND | NS | NS |
| Chloroform | ND | ND | ND | 370 | 350,000 |
| Chloromethane | ND | ND | ND | NS | NS |
| cis-1,2-Dichloroethylene | ND | ND | 5.5 J | 250 | 100,000 |
| cis-1,3-Dichloropropylene | ND | ND | ND | NS | NS |
| Dibromochloromethane | ND | ND | ND | NS | NS |
| Dibromomethane | ND | ND | ND | NS | NS |
| Dichlorodifluoromethane | ND | ND | ND | NS | NS |
| Ethyl Benzene | ND | ND | ND | 1,000 | 390,000 |
| Hexachlorobutadiene | ND | ND | ND | NS | NS |
| Isopropylbenzene | ND | ND | ND | NS | NS |
| Methyl tert-butyl ether (MTBE) | ND | ND | ND | 930 | 500,000 |
| Methylene chloride | ND | ND | 6.2 J | 50 | 500,000 |
| Naphthalene | ND | 54 CCV-E, B | 51 CCV-E, B | NS | NS |
| n-Butylbenzene | ND | ND | ND | 12,000 | NS |
| n-Propylbenzene | ND | ND | ND | 3,900 | 500,000 |
| o-Xylene | ND | ND | 6.2 | NS | NS |
| p-& m- Xylenes | ND | ND | ND | NS | NS |
| p-Isopropyltoluene | ND | ND | ND | NS | NS |
| sec-Butylbenzene | ND | ND | ND | 11,000 | 500,000 |
| Styrene | ND | ND | ND | NS | NS |
| tert-Butylbenzene | ND | ND | ND | 5,900 | 500,000 |
| Tetrachloroethylene | ND | 98 CCV-E | 55 CCV-E | 1,300 | 150,000 |
| Toluene | ND | ND | ND | 700 | 500,000 |
| trans-1,2-Dichloroethylene | ND | ND | ND | 190 | 500,000 |
| trans-1,3-Dichloropropylene | ND | ND | ND | NS | NS |
| Trichloroethylene | ND | 7.0 J | ND | 470 | 200,000 |
| Trichlorofluoromethane | ND | ND | ND | NS | NS |

| Table 2 Cont'd | | | | | |
|---|---|---|---|---|---|
| Soil Analytical Results for Volatile Organic Compounds (µg/kg) | | | | | |
| 480 Flushing Avenue, Brooklyn NY | | | | | |
| Sample Identification | SP-1 | SP-2 | SP-3 | Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6.8) | Restricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6.8b) Commercial |
| Depth | 6' - 8' | 10' - 12' | 10' - 12' | | |
| Sample Date | 7/11/14 | 7/11/14 | 7/11/14 | | |
| Sample Matrix | Soil | Soil | Soil | | |
| Units | µg/kg | µg/kg | µg/kg | | |
| Vinyl Chloride | ND | ND | ND | 20 | 13,000 |
| Xylenes, Total | ND | ND | ND | NS | NS |
| Vinyl acetate | ND | ND | ND | NS | NS |
| **Total VOCs** | **ND** | **190** | **164** | | |

**NOTES**

All units in micrograms per kilogram (µg/kg)

ND - Analyte not detected at the stated Reporting Limit (RL)

B - Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

CCV-E - The value reported is ESTIMATED. The value is estimated due to its behaviour during continuing calibration verification (20% difference for average RF or >20$ Drift for quadratic fit)

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.

Table 3
Soil Analytical Results for Semivolatile Organic Compounds (µg/kg)
480 Flushing Avenue, Brooklyn NY

| Sample Identification | SP-1 | SP-2 | SP-3 | Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6.8) | Restricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6.8b) Residential |
|---|---|---|---|---|---|
| Sample Depth | 6' - 8' | 10' - 12' | 10' - 12' | | |
| Sample Date | 7/11/14 | 7/11/14 | 7/11/14 | | |
| Sample Matrix | Soil | Soil | Soil | | |
| Units | µg/kg | µg/kg | µg/kg | | |
| Acenaphthene | ND | ND | 1140 J | 20,000 | 100,000 |
| Acenaphthylene | ND | ND | ND | 100,000 | 100,000 |
| Aniline | ND | ND | ND | | |
| Anthracene | ND | 1780 J | 3710 | 100,000 | 100,000 |
| Benzo(a)anthracene | ND | **2930 J** | **5570** | 1,000 | 1,000 |
| Benzo(a)pyrene | ND | **1570 J** | **3080** | 1,000 | 1,000 |
| Benzo(b)fluoranthene | ND | **1550 J** | **2840** | 1,000 | 1,000 |
| Benzo(g,h,i)perylene | ND | ND | ND | 100,000 | 100,000 |
| Benzo(k)fluoranthene | ND | **1790 J** | **3640** | 800 | 1,000 |
| Benzyl alcohol | ND | **ND** | **ND** | | |
| Benzyl butyl phthalate | ND | ND | ND | | |
| 4-bromophenyl phenyl ether | ND | ND | ND | | |
| 4-Chloro-3-methylphenol | ND | ND | ND | | |
| 4-Chloroaniline | ND | ND | ND | | |
| Bis(2-chloroethoxy)methane | ND | ND | ND | | |
| Bis(2-chloroethyl)ether | ND | ND | ND | | |
| Bis(2-chloroisopropyl)ether | ND | ND | ND | | |
| 2-Chloronaphthalene | ND | ND | ND | | |
| 2-Chlorophenol | ND | ND | ND | | |
| 4-Chlorophenyl phenyl ether | ND | ND | ND | | |
| Chrysene | ND | **2280 J** | **5750** | 1,000 | 1,000 |
| Dibenzo(a,h)anthracene | ND | ND | **693 J** | 330 | 330 |
| Dibenzofuran | ND | ND | 1530 J | | |
| Di-n-butyl phthalate | ND | ND | ND | | |
| 1,3-Dichlorobenzene | ND | ND | ND | | |
| 1,4-Dichlorobenzene | ND | ND | ND | | |
| 1,2-Dichlorobenzene | ND | ND | ND | | |
| 3,3'-Dichlorobenzidine | ND | ND | ND | | |
| 2,4-Dichlorophenol | ND | ND | ND | | |
| Diethyl phthalate | ND | ND | ND | | |
| 2,4-Dimethylphenol | ND | ND | ND | | |
| Dimethyl phthalate | ND | ND | ND | | |
| 4,6-Dinitro-2-methylphenol | ND | ND | ND | | |
| 2,4-Dinitrophenol | ND | ND | ND | | |
| 2,4-Dinitrotoluene | ND | ND | ND | | |
| 2,6-Dinitrotoluene | ND | ND | ND | | |
| Di-n-octyl phthalate | ND | ND | ND | | |
| Bis(2-ethylhexyl)phthalate | ND | 3020 J | ND | | |
| Fluoranthene | ND | 7090 | 12,400 | 100,000 | 100,000 |
| Fluorene | ND | ND | 1120 J | 30,000 | 100,000 |
| Hexachlorobenzene | ND | ND | ND | | |
| Hexachlorobutadiene | ND | ND | ND | | |
| Hexachlorocyclopentadiene | ND | ND | ND | | |
| Hexachloroethane | ND | ND | ND | | |
| Indeno(1,2,3-cd)pyrene | ND | ND | 1270 J | 500 | 500 |
| Isophorone | ND | ND | ND | | |
| 2-Methylnaphthalene | ND | ND | ND | | |
| 2-Methylphenol | ND | ND | ND | | |
| 3- &4-Methylphenols | ND | ND | ND | | |
| Naphthalene | ND | ND | 785 J | 12,000 | 100,000 |
| 3-Nitroaniline | ND | ND | ND | | |
| 2-Nitroaniline | ND | ND | ND | | |
| 4- Nitroaniline | ND | ND | ND | | |

Table 3 (contd)
Soil Analytical Results for Semivolatile Organic Compounds (µg/kg)
480 Flushing Avenue, Brooklyn NY

| Sample Identification | SP-1 | SP-2 | SP-3 | Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6.8) | Restricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6.8b) Residential |
|---|---|---|---|---|---|
| Sample Depth | 6' - 8' | 10' -12' | 10' -12' | | |
| Sample Date | 7/11/14 | 7/11/14 | 7/11/14 | | |
| Sample Matrix | Soil | Soil | Soil | | |
| Units | µg/kg | µg/kg | µg/kg | | |
| Nitrobenzene | ND | ND | ND | | |
| 2- Nitrophenol | ND | ND | ND | | |
| 4-Nitrophenol | ND | ND | ND | | |
| N-nitroso-di-n-propylamine | ND | ND | ND | | |
| N-Nitrosodimethyllamine | ND | ND | ND | | |
| N-Nitrosodiphenylamine | ND | ND | ND | | |
| Pentachlorophenol | ND | ND | ND | 800 | 2,400 |
| Phenanthrene | ND | 7690 | 13,800 | 100,000 | 100,000 |
| Phenol | ND | ND | ND | 330 | 100,000 |
| Pyrene | ND | 6260 | 10,500 | 100,000 | 100,000 |
| Pyridine | ND | ND | ND | | |
| 1,2,4- Trichlorobenzene | ND | ND | ND | | |
| 2,4,6-Trichlorophenol | ND | ND | ND | | |
| 2,4,5-Trichlorophenol | ND | ND | ND | | |
| **Total SVOCs** | **ND** | **35,960** | **67,828** | | |

**NOTES**

All units in micrograms per kilogram (µg/kg)

J - Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case is an estimated concentration.

ND - Analyte not detected at the stated Reporting Limit (RL)

Values shaded represent concentration in exceedance of their respective recommended soil cleanup objective

**Table 4**
**Soil Analytical Results for RCRA Metals (mg/kg)**
**480 Flushing Avenue, Brooklyn NY**

| Sample Identification | SP-1 | SP-2 | SP-3 | Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6.8) | Restricted Use Soil Cleanup Objectives (6 NYCRR Part 375-6.8b) Residential |
|---|---|---|---|---|---|
| Sample Depth | 6' - 8' | 10' - 12' | 10' - 12' | | |
| Sample Date | 7/11/14 | 7/11/14 | 7/11/14 | | |
| Sample Matrix | Soil | Soil | Soil | | |
| Units | µg/kg | µg/kg | µg/kg | | |
| Arsenic | 1.3 | 1.43 | 2.68 | 13 | 16 |
| Barium | 49.5 | 92.8 | 51.4 | 350 | 350 |
| Cadmium | ND | ND | ND | 2.5 | 2.5 |
| Chromium | 16.0 | 24.8 | 22.4 | NS | NS |
| Lead | 4.74 | 53.1 | 9.40 | 63 | 400 |
| Selenium | 3.43 | 2.44 | 3.16 | 3.9 | 36 |
| Silver | ND | ND | ND | 2 | 36 |
| Mercury | ND | 0.163 | 0.0599 | 0.18 | 0.81 |

**NOTES**

All units in milligrams per kilogram (mg/kg)

B - Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common la

Data users should consider anything <10x the blank value as artifact.

ND - Analyte not detected at the stated Reporting Limit (RL)

NS - No Standard

Values shaded represent concentration exceeding their respective recommended soil cleanup objective

Table 5
Groundwater Analytical Results for Volatile Organic Compounds (µg/L)
480 Flushing Avenue, Brooklyn NY

| Sample Identification | TW-1 | TW-2 | New York State 6NYCRR Part 703.5 Class GA Groundwater Standards |
|---|---|---|---|
| Sample Date | 7/11/14 | 7/11/14 | |
| Sample Matrix | GW | GW | |
| Units | µg/L | µg/L | |
| 1,1,1,2-Tetrachloroethane | ND | ND | NS |
| 1,1,1-Trichloroethane | ND | 3.9 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | ND | 5 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | ND | 5 |
| 1,1,2-Trichloroethane | ND | ND | 5 |
| 1,1-Dichloroethane | ND | ND | 5 |
| 1,1-Dichloroethylene | ND | ND | 5 |
| 1,1-Dichloropropylene | ND | ND | 5 |
| 1,2,3-Trichlorobenzene | ND | ND | 5 |
| 1,2,3-Trichloropropane | ND | ND | NS |
| 1,2,4-Trichlorobenzene | ND | ND | 5 |
| 1,2,4-Trimethylbenzene | ND | ND | NS |
| 1,2-Dibromo-3-chloropropane | ND | ND | 0 |
| 1,2-Dibromoethane | ND | ND | NS |
| 1,2-Dichlorobenzene | ND | ND | NS |
| 1,2-Dichloroethane | ND | ND | 1 |
| 1,2-Dichloropropane | ND | ND | 1 |
| 1,3,5-Trimethylbenzene | ND | ND | NS |
| 1,3-Dichlorobenzene | ND | ND | 3 |
| 1,3-Dichloropropane | ND | ND | NS |
| 1,4-Dichlorobenzene | ND | ND | 3 |
| 1,4-Dioxane | ND | ND | NS |
| 2,2-Dichloropropane | ND | ND | NS |
| 2-Butanone | ND | ND | NS |
| 2-Chlorotoluene | ND | ND | 5 |
| 4-Chlorotoluene | ND | ND | NS |
| Acetone | 4.1 CCV-E, B, J | 3.2 CCV-E, B, J | 50 |
| Benzene | ND | ND | 1 |
| Bromobenzene | ND | ND | NS |
| Bromochloromethane | ND | ND | 50 |
| Bromodichloromethane | ND | ND | 50 |
| Bromoform | ND | ND | 50 |
| Bromomethane | ND | ND | 5 |
| Carbon tetrachloride | ND | ND | 5 |
| Chlorobenzene | ND | ND | 5 |
| Chloroethane | ND | ND | 5 |
| Chloroform | 17 | ND | 7 |
| Chloromethane | ND | ND | NS |
| cis-1,2-Dichloroethylene | 4.3 J | 20 | 5 |
| cis-1,3-Dichloropropylene | ND | ND | NS |
| Dibromochloromethane | ND | ND | 50 |
| Dibromomethane | ND | ND | 5 |
| Dichlorodifluoromethane | ND | ND | 5 |
| Ethyl Benzene | ND | ND | 5 |
| Hexachlorobutadiene | ND | ND | NS |
| Isopropylbenzene | ND | ND | 5 |
| Methyl tert-butyl ether (MTBE) | ND | ND | 10 |
| Methylene chloride | ND | ND | 5 |
| Naphthalene | ND | ND | NS |
| n-Butylbenzene | ND | ND | NS |
| n-Propylbenzene | ND | ND | NS |
| o-Xylene | ND | ND | 5 |
| p-& m- Xylenes | ND | ND | 5 |
| p-Isopropyltoluene | ND | ND | NS |
| sec-Butylbenzene | ND | ND | NS |
| Styrene | ND | ND | 5 |
| tert-Butylbenzene | ND | ND | NS |
| Tetrachloroethylene | 32 | 65 | 5 |
| Toluene | ND | ND | 5 |
| trans-1,2-Dichloroethylene | ND | ND | 5 |
| trans-1,3-Dichloropropylene | ND | ND | 5 |
| Trichloroethylene | 8.1 | 17 | 5 |
| Trichlorofluoromethane | ND | ND | 5 |
| Vinyl Chloride | ND | ND | 2 |
| Xylenes, Total | ND | ND | 5 |
| Vinyl acetate | ND | ND | NS |
| **Total VOCs** | **65.5** | **109.1** | |

**NOTES**

All units in micrograms per kilogram (µg/l)

ND - Analyte not detected at the stated Reporting Limit (RL)

B - Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

CCV-E - The value reported is ESTIMATED. The value is estimated due to its behaviour during continuing calibration verification (20% difference for average RF or >20$ Drift for quadratic fit)

J - Detected below the Reporting Limit but > than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Table 6
Groundwater Analytical Results for Semivolatile Organic Compounds
480 Flushing Avenue, Brooklyn NY

| Sample Identification | TW-1 | TW-2 | New York State 6NYCRR Part 703.5 Class GA Groundwater Standards |
|---|---|---|---|
| Sample Date | 7/11/14 | 7/11/14 | |
| Sample Matrix | Water | Water | |
| Units | µg/L | µg/L | |
| Acenaphthene | 0.305 | 0.232 | 20 |
| Acenaphthylene | ND | ND | NS |
| Aniline | ND | ND | NS |
| Anthracene | 0.284 | 0.126 | NS |
| Benzo(a)anthracene | ND | ND | NS |
| Benzo(a)pyrene | ND | ND | NS |
| Benzo(b)fluoranthene | ND | ND | NS |
| Benzo(g,h,i)perylene | ND | ND | NS |
| Benzoic acid | ND | ND | NS |
| Benzo(k)fluoranthene | ND | ND | NS |
| Benzyl alcohol | ND | ND | NS |
| Benzyl butyl phthalate | ND | ND | NS |
| 4-Bromophenyl phenyl ether | ND | ND | NS |
| 4-Chloro-3-methylphenol | ND | ND | NS |
| 4-Chloroaniline | ND | ND | 5 |
| Bis(2-chloroethoxy)methane | ND | ND | NS |
| Bis(2-chloroethyl)ether | ND | ND | NS |
| Bis(2-chloroisopropyl)ether | ND | ND | NS |
| 2-Chloronaphthalene | ND | ND | NS |
| 2-Chlorophenol | ND | ND | NS |
| 4-Chlorophenyl phenyl ether | ND | ND | NS |
| Chrysene | 0.0526 J | ND | NS |
| Dibenzo(a,h)anthracene | ND | ND | NS |
| Dibenzofuran | ND | ND | NS |
| Di-n-butyl phthalate | ND | ND | 50 |
| 1,4-Dichlorobenzene | ND | ND | 5 |
| 1,3-Dichlorobenzene | ND | ND | 3 |
| 1,2-dichlorobenzene | ND | ND | 3 |
| 3,3'-Dichlorobenzidine | ND | ND | 5 |
| 2,4-Dichlorophenol | ND | ND | 5 |
| Diethyl phthalate | ND | ND | NS |
| 2,4-Dimethylphenol | ND | ND | 5 |
| Dimethyl phthalate | ND | ND | 50 |
| 4,6-Dinitro-2-methylphenol | ND | ND | NS |
| 2,4-Dinitrophenol | ND | ND | 5 |
| 2,4-Dinitrotoluene | ND | ND | 5 |
| 2,6-Dinitrotoluene | ND | ND | 5 |
| Di-n-octyl phthalate | ND | ND | 50 |
| Bis(2-ethylhexyl)phthalate | ND | ND | NS |
| Fluoranthene | 0.421 | 0.147 | NS |
| Fluorene | 0.158 | 0.189 | 50 |
| Hexachlorobenzene | ND | ND | 0.04 |
| Hexachlorobutadiene | ND | ND | 0.5 |
| Hexachlorocyclopentadiene | ND | ND | 5 |
| Hexachloroethane | ND | ND | 0.6 |
| Indeno(1,2,3-cd)pyrene | ND | ND | 0.002 |
| Isophorone | ND | ND | 50 |
| 2-Methylnaphthalene | ND | ND | NS |
| 2-Methylphenol | ND | ND | NS |
| 3- &4-Methylphenols | ND | ND | NS |
| Naphthalene | 0.358 | 1.74 | 10 |
| 4-Nitroaniline | ND | ND | 5 |
| 3- Nitroaniline | ND | ND | 5 |
| 2- Nitroaniline | ND | ND | 5 |
| Nitrobenzene | ND | ND | 0.4 |

Table 6 Cont'd
Groundwater Analytical Results for Volatile Organic Compounds
480 Flushing Avenue, Brooklyn NY

| | | | |
|---|---|---|---|
| 2- Nitrophenol | ND | ND | NS |
| 4-Nitrophenol | ND | ND | NS |
| N-nitroso-di-n-propylamine | ND | ND | NS |
| N-Nitrosodiphenylamine | ND | ND | 50 |
| Pentachlorophenol | ND | ND | NS |
| Phenanthrene | 1.29 | 0.579 | 50 |
| Phenol | ND | ND | NS |
| Pyrene | 0.316 | 0.105 | 50 |
| 1,2,4-Trichlorobenzene | ND | ND | 5 |
| 2,4,5-Trichlorophenol | ND | ND | NS |
| 2,4,6-Trichlorophenol | ND | ND | 3 |
| **Total SVOCs** | **3.1846** | **3.118** | |

**NOTES**

All units in micrograms per kilogram (µg/L)

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.

ND - Analyte not detected at the stated Reporting Limit (RL)

GQS - Groundwater Quality Standards

**Table 7**
**Groundwater Analytical Results for RCRA Metals**
**480 Flushing Avenue, Brooklyn NY**

| Sample Identification | TW-1 | TW-2 | New York State 6NYCRR Part 703.5 Class GA Groundwater Standards |
|---|---|---|---|
| Sample Date | 7/11/14 | 7/11/14 | |
| Sample Matrix | Water | Water | |
| Units | µg/L | µg/L | |
| Arsenic | ND | 0.015 | 25 |
| Barium | 1.02 | 1.55 | 1,000 |
| Cadmium | ND | 0.004 | 5 |
| Chromium | 0.020 | 0.049 | 50 |
| Lead | 0.037 | 0.147 | 25 |
| Selenium | ND | 0.017 | 10 |
| Silver | ND | ND | 50 |
| Mercury | ND | ND | 0.7 |

**NOTES**

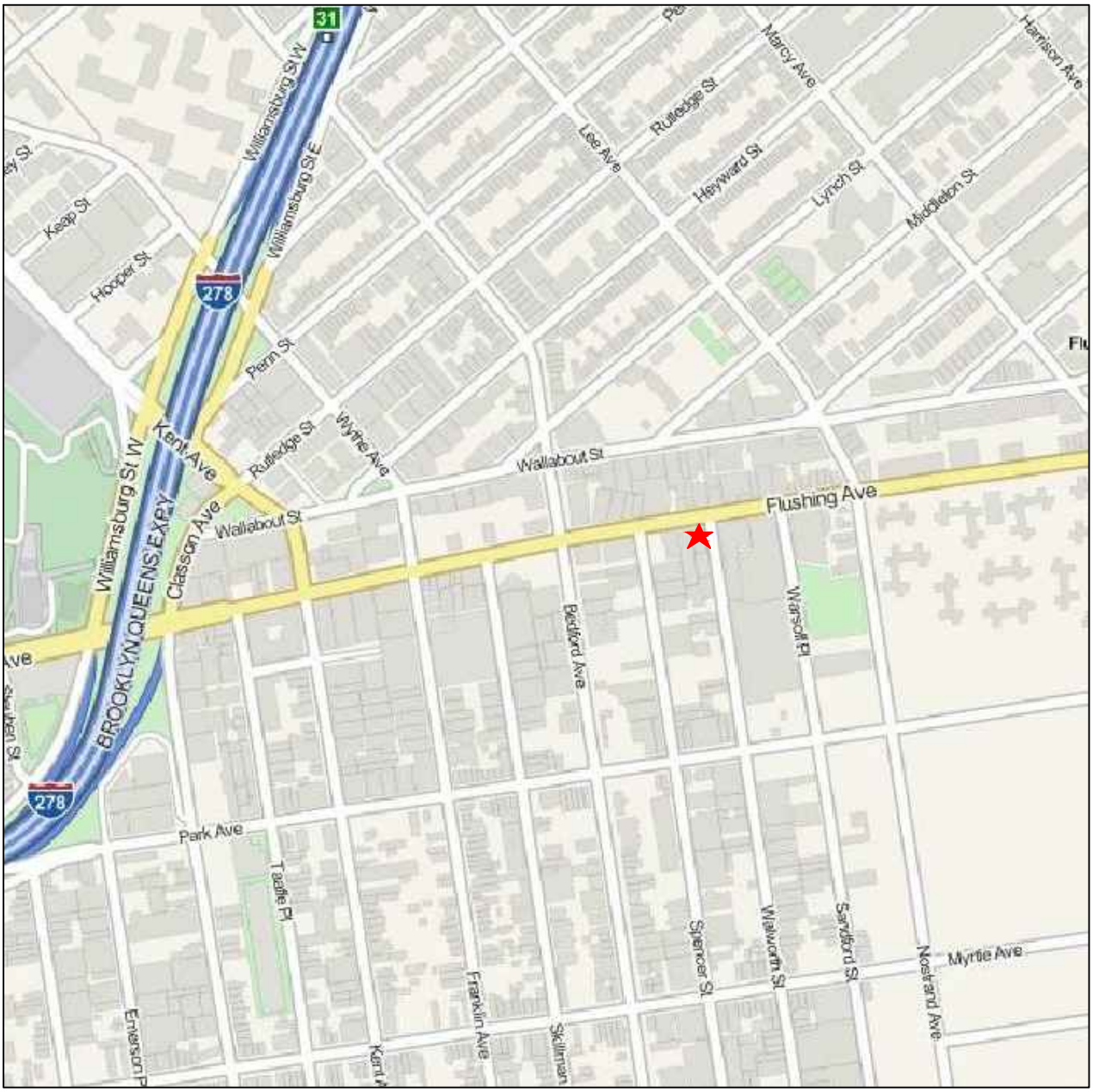
All units in milligrams per Liter (mg/L)

ND - Analyte not detected at the stated Reporting Limit (RL)

NS - No Standard

NYSDEC GQS - New York State Department of Environmental Conservation Groundwater Quality Standard

# Figures



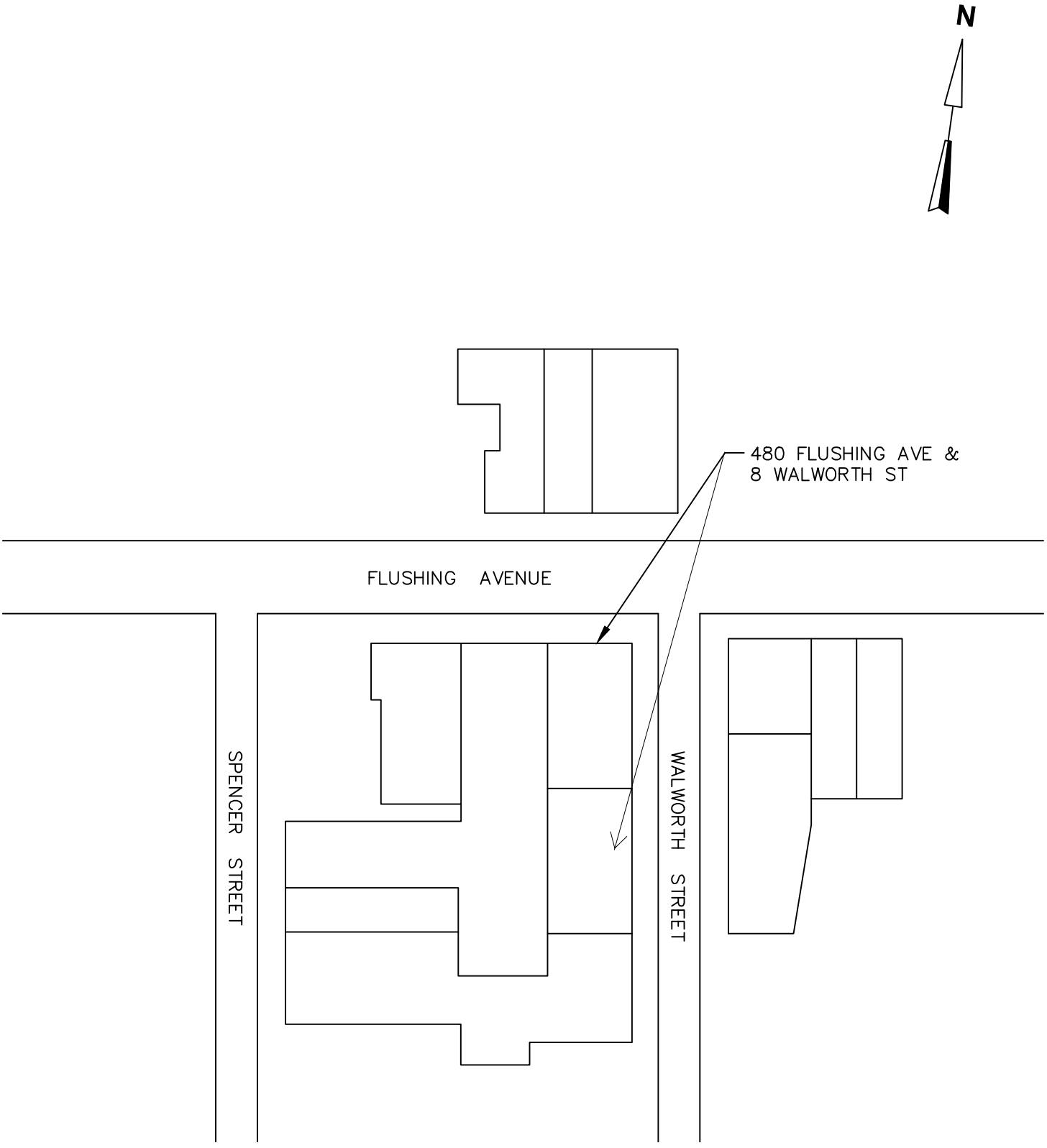

★ - SITE LOCATION

**ALPHA-HYDRO**
**ENVIRONMENTAL SERVICES**
A PARADIGM OF EXCELLENCE

1503 Wave Avenue, Medford NY 11763

# FIGURE 1
## SITE LOCATION MAP

| | |
|---|---|
| DATE: 6/17/14 | 480 FLUSHING AVENUE BROOKLYN, NY 11205 |
| GEOLOGIST: D.O. | |
| DRAWN BY: J.F. | FILE NO: AH–141332 |

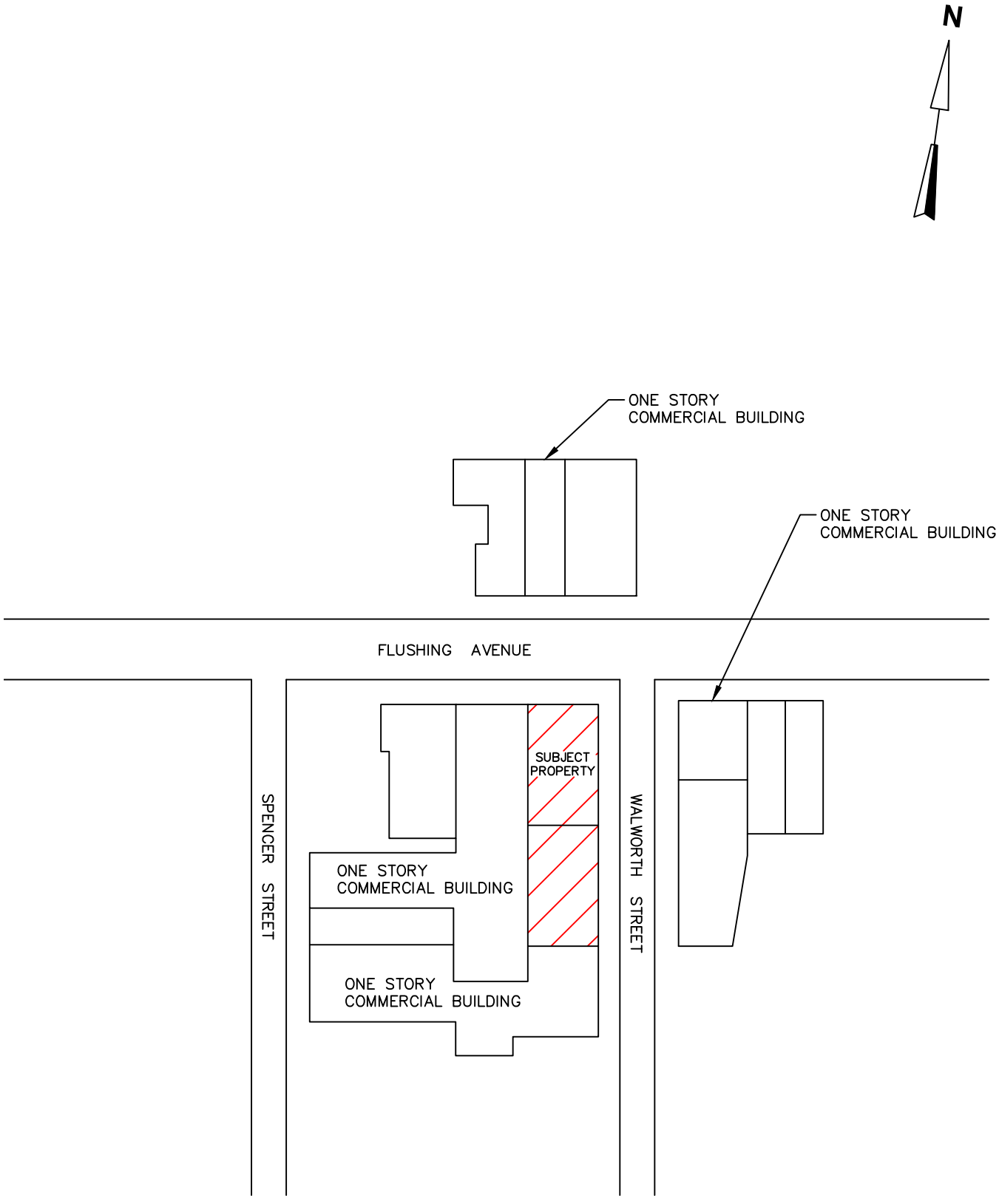



**ALPHA-HYDRO**
**ENVIRONMENTAL SERVICES**
A PARADIGM OF EXCELLENCE

1503 Wave Avenue, Medford NY 11763

# FIGURE 2
## SITE PLAN

| | |
|---|---|
| DATE: 6/17/14 | 480 FLUSHING AVENUE<br>BROOKLYN, NY 11205 |
| GEOLOGIST: D.O. | |
| DRAWN BY: J.F. | FILE NO: AH–141332 |




**ALPHA-HYDRO**
**ENVIRONMENTAL SERVICES**
A PARADIGM OF EXCELLENCE

1503 Wave Avenue, Medford NY 11763

# FIGURE 3
## SURROUNDING PROPERTIES MAP

| | |
|---|---|
| DATE: 6/17/14 | 480 FLUSHING AVENUE<br>BROOKLYN, NY 11205 |
| GEOLOGIST: D.O. | |
| DRAWN BY: J.F. | FILE NO: AH–141332 |

# Appendices

# Technical Report

prepared for:

**Alpha-Hydro Environmental**
1503 Wave Avenue
Medford NY, 11763
**Attention: David Oloke**

Report Date: 07/21/2014
**Client Project ID: 480 Flushing Ave., Brooklyn NY**
York Project (SDG) No.: 14G0496

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 07/21/2014
Client Project ID: 480 Flushing Ave., Brooklyn NY
York Project (SDG) No.: 14G0496

**Alpha-Hydro Environmental**
1503 Wave Avenue
Medford NY, 11763
Attention: David Oloke

## 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 14, 2014 and listed below. The project was identified as your project: **480 Flushing Ave., Brooklyn NY**.

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 Notes 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 attachment to 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.

| York Sample ID | Client Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| 14G0496-01 | SP-1 (6-8) | Soil | 07/11/2014 | 07/14/2014 |
| 14G0496-02 | SP-2 (10-12) | Soil | 07/11/2014 | 07/14/2014 |
| 14G0496-03 | SP-3 (10-12) | Soil | 07/11/2014 | 07/14/2014 |
| 14G0496-04 | TW-1 | Water | 07/11/2014 | 07/14/2014 |
| 14G0496-05 | TW-2 | Water | 07/11/2014 | 07/14/2014 |

## General Notes for York Project (SDG) No.: 14G0496

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:** 

**Date:** 07/21/2014

Benjamin Gulizia
Laboratory Director

## Sample Information

**Client Sample ID:** SP-1 (6-8) **York Sample ID:** 14G0496-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Volatile Organics, 8260 List**

**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 | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 110 | 220 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 67-64-1 | Acetone | ND | | ug/kg dry | 5.4 | 22 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 108-86-1 | Bromobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |

## Sample Information

**Client Sample ID:** SP-1 (6-8) **York Sample ID:** 14G0496-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Volatile Organics, 8260 List**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 5.4 | 22 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 5.4 | 22 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 11 | 22 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 127-18-4 | Tetrachloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 16 | 33 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |
| 108-05-4 | Vinyl acetate | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:05 | SS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: 1,2-Dichloroethane-d4* | *107 %* | *67-130* |
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *95.5 %* | *75-127* |
| 2037-26-5 | *Surrogate: Toluene-d8* | *95.7 %* | *90-112* |

## Sample Information

**Client Sample ID:** **SP-1 (6-8)** **York Sample ID:** **14G0496-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

| 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 | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 120-12-7 | Anthracene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 218-01-9 | Chrysene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | | ug/kg dry | 272 | 541 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 272 | 542 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |

## Sample Information

**Client Sample ID:** SP-1 (6-8) **York Sample ID:** 14G0496-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 206-44-0 | Fluoranthene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 137 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 85-01-8 | Phenanthrene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 108-95-2 | Phenol | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 129-00-0 | Pyrene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 110-86-1 | Pyridine | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 68.3 | 271 | 1 | EPA 8270D | 07/17/2014 11:00 | 07/17/2014 21:08 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: 2-Fluorophenol* | *64.8 %* | *10-105* |
| 4165-62-2 | *Surrogate: Phenol-d5* | *69.7 %* | *10-118* |
| 4165-60-0 | *Surrogate: Nitrobenzene-d5* | *80.1 %* | *10-140* |
| 321-60-8 | *Surrogate: 2-Fluorobiphenyl* | *77.7 %* | *10-126* |
| 118-79-6 | *Surrogate: 2,4,6-Tribromophenol* | *69.2 %* | *10-150* |
| 1718-51-0 | *Surrogate: Terphenyl-d14* | *98.1 %* | *10-137* |

## Sample Information

**Client Sample ID:** SP-1 (6-8) **York Sample ID:** 14G0496-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

### Metals, RCRA

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | **Arsenic** | **1.38** | | mg/kg dry | 1.08 | 1.08 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:30 | MW |
| 7440-39-3 | **Barium** | **49.5** | | mg/kg dry | 1.08 | 1.08 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:30 | MW |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.325 | 0.325 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:30 | MW |
| 7440-47-3 | **Chromium** | **16.0** | | mg/kg dry | 0.542 | 0.542 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:30 | MW |
| 7439-92-1 | **Lead** | **4.74** | | mg/kg dry | 0.325 | 0.325 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:30 | MW |
| 7782-49-2 | **Selenium** | **3.43** | | mg/kg dry | 1.08 | 1.08 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:30 | MW |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.542 | 0.542 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:30 | MW |

### Mercury by 7473

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | ND | | mg/kg dry | 0.0325 | 0.0325 | 1 | EPA 7473 | 07/17/2014 07:36 | 07/17/2014 08:33 | ALD |

### Total Solids

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| solids | *** % Solids** | **92.3** | | % | 0.100 | 0.100 | 1 | SM 2540G | 07/18/2014 08:48 | 07/18/2014 11:13 | KK |

## Sample Information

**Client Sample ID:** SP-2 (10-12) **York Sample ID:** 14G0496-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

### Volatile Organics, 8260 List

**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 | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |

## Sample Information

**Client Sample ID:** SP-2 (10-12) **York Sample ID:** 14G0496-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Volatile Organics, 8260 List**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 110 | 220 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 67-64-1 | **Acetone** | **31** | | ug/kg dry | 5.4 | 22 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 108-86-1 | Bromobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |

## Sample Information

**Client Sample ID:** SP-2 (10-12) **York Sample ID:** 14G0496-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Volatile Organics, 8260 List**

**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 | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 5.4 | 22 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 91-20-3 | **Naphthalene** | **54** | CCV-E, B | ug/kg dry | 5.4 | 22 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 11 | 22 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 127-18-4 | **Tetrachloroethylene** | **98** | CCV-E | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 79-01-6 | **Trichloroethylene** | **7.0** | J | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 16 | 32 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |
| 108-05-4 | Vinyl acetate | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 09:44 | SS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: 1,2-Dichloroethane-d4* | *109 %* | *67-130* |
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *93.4 %* | *75-127* |
| 2037-26-5 | *Surrogate: Toluene-d8* | *96.5 %* | *90-112* |

## Sample Information

**Client Sample ID:** **SP-2 (10-12)** **York Sample ID:** **14G0496-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

| 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 | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 120-12-7 | **Anthracene** | **1780** | J | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 56-55-3 | **Benzo(a)anthracene** | **2930** | J | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 50-32-8 | **Benzo(a)pyrene** | **1570** | J | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 205-99-2 | **Benzo(b)fluoranthene** | **1550** | J | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 207-08-9 | **Benzo(k)fluoranthene** | **1790** | J | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 218-01-9 | **Chrysene** | **2880** | J | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | | ug/kg dry | 5400 | 10800 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 5400 | 10800 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 117-81-7 | **Bis(2-ethylhexyl)phthalate** | **3020** | J | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |

## Sample Information

**Client Sample ID:** SP-2 (10-12) **York Sample ID:** 14G0496-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 206-44-0 | **Fluoranthene** | **7090** | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 2710 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 85-01-8 | **Phenanthrene** | **7690** | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 108-95-2 | Phenol | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 129-00-0 | **Pyrene** | **6260** | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 110-86-1 | Pyridine | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 1360 | 5380 | 20 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:03 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: 2-Fluorophenol* | *64.2 %* | *10-105* |
| 4165-62-2 | *Surrogate: Phenol-d5* | *67.0 %* | *10-118* |
| 4165-60-0 | *Surrogate: Nitrobenzene-d5* | *55.0 %* | *10-140* |
| 321-60-8 | *Surrogate: 2-Fluorobiphenyl* | *85.9 %* | *10-126* |
| 118-79-6 | *Surrogate: 2,4,6-Tribromophenol* | *31.4 %* | *10-150* |
| 1718-51-0 | *Surrogate: Terphenyl-d14* | *83.4 %* | *10-137* |

## Sample Information

**Client Sample ID:** SP-2 (10-12) **York Sample ID:** 14G0496-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

### Metals, RCRA

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | **Arsenic** | **1.43** | | mg/kg dry | 1.08 | 1.08 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:35 | MW |
| 7440-39-3 | **Barium** | **92.8** | | mg/kg dry | 1.08 | 1.08 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:35 | MW |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.323 | 0.323 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:35 | MW |
| 7440-47-3 | **Chromium** | **24.8** | | mg/kg dry | 0.538 | 0.538 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:35 | MW |
| 7439-92-1 | **Lead** | **53.1** | | mg/kg dry | 0.323 | 0.323 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:35 | MW |
| 7782-49-2 | **Selenium** | **2.44** | | mg/kg dry | 1.08 | 1.08 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:35 | MW |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.538 | 0.538 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:35 | MW |

### Mercury by 7473

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | **Mercury** | **0.163** | | mg/kg dry | 0.0323 | 0.0323 | 1 | EPA 7473 | 07/17/2014 07:36 | 07/17/2014 11:18 | ALD |

### Total Solids

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| solids | *** % Solids** | **92.9** | | % | 0.100 | 0.100 | 1 | SM 2540G | 07/18/2014 08:48 | 07/18/2014 11:13 | KK |

## Sample Information

**Client Sample ID:** SP-3 (10-12) **York Sample ID:** 14G0496-03

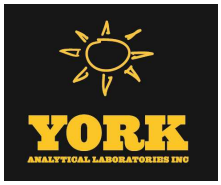
| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

### Volatile Organics, 8260 List

**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 | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |




## Sample Information

**Client Sample ID:** **SP-3 (10-12)** **York Sample ID:** **14G0496-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Volatile Organics, 8260 List**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 110 | 210 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 78-93-3 | **2-Butanone** | **6.1** | J | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 67-64-1 | **Acetone** | **34** | | ug/kg dry | 5.4 | 21 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 108-86-1 | Bromobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **5.5** | J | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |

## Sample Information

**Client Sample ID:** SP-3 (10-12) **York Sample ID:** 14G0496-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Volatile Organics, 8260 List**

**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 | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 75-09-2 | **Methylene chloride** | **6.2** | J | ug/kg dry | 5.4 | 21 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 91-20-3 | **Naphthalene** | **51** | CCV-E, B | ug/kg dry | 5.4 | 21 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 95-47-6 | **o-Xylene** | **6.2** | J | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 11 | 21 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 127-18-4 | **Tetrachloroethylene** | **55** | CCV-E | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 16 | 32 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |
| 108-05-4 | Vinyl acetate | ND | | ug/kg dry | 5.4 | 11 | 1 | EPA 8260C | 07/16/2014 16:54 | 07/17/2014 10:24 | SS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: 1,2-Dichloroethane-d4* | *108 %* | *67-130* |
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *92.5 %* | *75-127* |
| 2037-26-5 | *Surrogate: Toluene-d8* | *95.5 %* | *90-112* |

## Sample Information

**Client Sample ID:** **SP-3 (10-12)** **York Sample ID:** **14G0496-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

| 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** | **1140** | J | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 120-12-7 | **Anthracene** | **3710** | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 56-55-3 | **Benzo(a)anthracene** | **5570** | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 50-32-8 | **Benzo(a)pyrene** | **3080** | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 205-99-2 | **Benzo(b)fluoranthene** | **2840** | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 207-08-9 | **Benzo(k)fluoranthene** | **3640** | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 218-01-9 | **Chrysene** | **5750** | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 53-70-3 | **Dibenzo(a,h)anthracene** | **693** | J | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 132-64-9 | **Dibenzofuran** | **1530** | J | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | | ug/kg dry | 2690 | 5370 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 2690 | 5370 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |

## Sample Information

**Client Sample ID:** SP-3 (10-12) **York Sample ID:** 14G0496-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 206-44-0 | **Fluoranthene** | **12400** | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 86-73-7 | **Fluorene** | **1120** | J | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 193-39-5 | **Indeno(1,2,3-cd)pyrene** | **1270** | J | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 91-20-3 | **Naphthalene** | **785** | J | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 1350 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 85-01-8 | **Phenanthrene** | **13800** | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 108-95-2 | Phenol | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 129-00-0 | **Pyrene** | **10500** | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 110-86-1 | Pyridine | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 677 | 2690 | 10 | EPA 8270D | 07/17/2014 11:00 | 07/18/2014 19:33 | SR |

| | Surrogate Recoveries | Result | | Acceptance Range |
|---|---|---|---|---|
| 367-12-4 | *Surrogate: 2-Fluorophenol* | *16.5 %* | | *10-105* |
| 4165-62-2 | *Surrogate: Phenol-d5* | *37.2 %* | | *10-118* |
| 4165-60-0 | *Surrogate: Nitrobenzene-d5* | *60.3 %* | | *10-140* |
| 321-60-8 | *Surrogate: 2-Fluorobiphenyl* | *79.8 %* | | *10-126* |
| 118-79-6 | *Surrogate: 2,4,6-Tribromophenol* | *%* | S-06 | *10-150* |
| 1718-51-0 | *Surrogate: Terphenyl-d14* | *75.3 %* | | *10-137* |

## Sample Information

**Client Sample ID:** SP-3 (10-12) **York Sample ID:** 14G0496-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Soil | July 11, 2014 3:00 pm | 07/14/2014 |

### Metals, RCRA

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | **Arsenic** | **2.68** | | mg/kg dry | 1.07 | 1.07 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:40 | MW |
| 7440-39-3 | **Barium** | **51.4** | | mg/kg dry | 1.07 | 1.07 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:40 | MW |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.322 | 0.322 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:40 | MW |
| 7440-47-3 | **Chromium** | **22.4** | | mg/kg dry | 0.537 | 0.537 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:40 | MW |
| 7439-92-1 | **Lead** | **9.40** | | mg/kg dry | 0.322 | 0.322 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:40 | MW |
| 7782-49-2 | **Selenium** | **3.16** | | mg/kg dry | 1.07 | 1.07 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:40 | MW |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.537 | 0.537 | 1 | EPA 6010C | 07/15/2014 13:53 | 07/15/2014 20:40 | MW |

### Mercury by 7473

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | **Mercury** | **0.0599** | | mg/kg dry | 0.0322 | 0.0322 | 1 | EPA 7473 | 07/17/2014 07:36 | 07/17/2014 11:29 | ALD |

### Total Solids

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| solids | *** % Solids** | **93.0** | | % | 0.100 | 0.100 | 1 | SM 2540G | 07/18/2014 08:48 | 07/18/2014 11:13 | KK |

## Sample Information

**Client Sample ID:** TW-1 **York Sample ID:** 14G0496-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

### Volatile Organics, 8260 List

**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 | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |

## Sample Information

**Client Sample ID:** TW-1 **York Sample ID:** 14G0496-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

**Volatile Organics, 8260 List**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 78-93-3 | 2-Butanone | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 67-64-1 | **Acetone** | **4.1** | CCV-E, B, J | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 71-43-2 | Benzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 108-86-1 | Bromobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 74-97-5 | Bromochloromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 75-27-4 | Bromodichloromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 75-25-2 | Bromoform | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 74-83-9 | Bromomethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 56-23-5 | Carbon tetrachloride | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 108-90-7 | Chlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 75-00-3 | Chloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 67-66-3 | **Chloroform** | **17** | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 74-87-3 | Chloromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **4.3** | J | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 124-48-1 | Dibromochloromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 74-95-3 | Dibromomethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 100-41-4 | Ethyl Benzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |

## Sample Information

**Client Sample ID:** TW-1 **York Sample ID:** 14G0496-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

**Volatile Organics, 8260 List**

**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 | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 75-09-2 | Methylene chloride | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 91-20-3 | Naphthalene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 104-51-8 | n-Butylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 103-65-1 | n-Propylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 95-47-6 | o-Xylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/L | 5.0 | 10 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 135-98-8 | sec-Butylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 100-42-5 | Styrene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 98-06-6 | tert-Butylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 127-18-4 | **Tetrachloroethylene** | **32** | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 108-88-3 | Toluene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 79-01-6 | **Trichloroethylene** | **8.1** | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 75-01-4 | Vinyl Chloride | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 1330-20-7 | Xylenes, Total | ND | | ug/L | 7.5 | 15 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |
| 108-05-4 | Vinyl acetate | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 15:20 | BK |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: 1,2-Dichloroethane-d4* | *103 %* | *81-123* |
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *89.8 %* | *70-128* |
| 2037-26-5 | *Surrogate: Toluene-d8* | *100 %* | *88-114* |

## Sample Information

**Client Sample ID:** **TW-1** **York Sample ID:** **14G0496-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

**Semi-Volatiles, 8270 Target List**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 83-32-9 | **Acenaphthene** | **0.305** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 62-53-3 | Aniline | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 120-12-7 | **Anthracene** | **0.284** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 218-01-9 | **Chrysene** | **0.0526** | J | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/L | 0.526 | 0.526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |

## Sample Information

**Client Sample ID:** TW-1 **York Sample ID:** 14G0496-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

**Semi-Volatiles, 8270 Target List**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 206-44-0 | **Fluoranthene** | **0.421** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 86-73-7 | **Fluorene** | **0.158** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/L | 0.0211 | 0.0211 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.526 | 0.526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/L | 0.526 | 0.526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 78-59-1 | Isophorone | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 91-20-3 | **Naphthalene** | **0.358** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/L | 0.263 | 0.263 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/L | 0.526 | 0.526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/L | 0.263 | 0.263 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 85-01-8 | **Phenanthrene** | **1.29** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 108-95-2 | Phenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 129-00-0 | **Pyrene** | **0.316** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:18 | SR |
| 110-86-1 | Pyridine | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:19 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: 2-Fluorophenol* | *31.4 %* | *10-53* |
| 4165-62-2 | *Surrogate: Phenol-d5* | *18.6 %* | *10-39* |
| 4165-60-0 | *Surrogate: Nitrobenzene-d5* | *58.9 %* | *10-120* |
| 321-60-8 | *Surrogate: 2-Fluorobiphenyl* | *54.1 %* | *10-108* |
| 118-79-6 | *Surrogate: 2,4,6-Tribromophenol* | *82.6 %* | *10-150* |
| 1718-51-0 | *Surrogate: Terphenyl-d14* | *101 %* | *10-143* |

## Sample Information

**Client Sample ID:** **TW-1** **York Sample ID:** **14G0496-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

### Metals, RCRA

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.004 | 0.004 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:28 | MW |
| 7440-39-3 | **Barium** | **1.02** | | mg/L | 0.010 | 0.010 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:28 | MW |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.003 | 0.003 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:28 | MW |
| 7440-47-3 | **Chromium** | **0.020** | | mg/L | 0.005 | 0.005 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:28 | MW |
| 7439-92-1 | **Lead** | **0.037** | | mg/L | 0.003 | 0.003 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:28 | MW |
| 7782-49-2 | Selenium | ND | | mg/L | 0.010 | 0.010 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:28 | MW |
| 7440-22-4 | Silver | ND | | mg/L | 0.005 | 0.005 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:28 | MW |

### Mercury by 7473

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | ND | | mg/L | 0.00020 | 0.00020 | 1 | EPA 7473 | 07/17/2014 08:16 | 07/17/2014 12:36 | ALD |

## Sample Information

**Client Sample ID:** **TW-2** **York Sample ID:** **14G0496-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

### Volatile Organics, 8260 List

**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 | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 71-55-6 | **1,1,1-Trichloroethane** | **3.9** | J | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |

## Sample Information

**Client Sample ID:** TW-2 **York Sample ID:** 14G0496-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

**Volatile Organics, 8260 List**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 78-93-3 | 2-Butanone | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 67-64-1 | **Acetone** | **3.2** | CCV-E, J, B | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 71-43-2 | Benzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 108-86-1 | Bromobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 74-97-5 | Bromochloromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 75-27-4 | Bromodichloromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 75-25-2 | Bromoform | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 74-83-9 | Bromomethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 56-23-5 | Carbon tetrachloride | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 108-90-7 | Chlorobenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 75-00-3 | Chloroethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 67-66-3 | Chloroform | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 74-87-3 | Chloromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **20** | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 124-48-1 | Dibromochloromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 74-95-3 | Dibromomethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 100-41-4 | Ethyl Benzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 98-82-8 | Isopropylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 75-09-2 | Methylene chloride | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 91-20-3 | Naphthalene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 104-51-8 | n-Butylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 103-65-1 | n-Propylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |

## Sample Information

**Client Sample ID:** TW-2 **York Sample ID:** 14G0496-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

### Volatile Organics, 8260 List

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 95-47-6 | o-Xylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/L | 5.0 | 10 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 135-98-8 | sec-Butylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 100-42-5 | Styrene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 98-06-6 | tert-Butylbenzene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 127-18-4 | **Tetrachloroethylene** | **65** | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 108-88-3 | Toluene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 79-01-6 | **Trichloroethylene** | **17** | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 75-01-4 | Vinyl Chloride | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 1330-20-7 | Xylenes, Total | ND | | ug/L | 7.5 | 15 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |
| 108-05-4 | Vinyl acetate | ND | | ug/L | 2.5 | 5.0 | 1 | EPA 8260C | 07/16/2014 08:41 | 07/16/2014 16:03 | BK |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: 1,2-Dichloroethane-d4* | *103 %* | *81-123* |
| 460-00-4 | *Surrogate: p-Bromofluorobenzene* | *93.0 %* | *70-128* |
| 2037-26-5 | *Surrogate: Toluene-d8* | *101 %* | *88-114* |

### Semi-Volatiles, 8270 Target List

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 83-32-9 | **Acenaphthene** | **0.232** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 62-53-3 | Aniline | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 120-12-7 | **Anthracene** | **0.126** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |

## Sample Information

**Client Sample ID:** **TW-2** **York Sample ID:** **14G0496-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

**Semi-Volatiles, 8270 Target List**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 218-01-9 | Chrysene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/L | 0.526 | 0.526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 206-44-0 | **Fluoranthene** | **0.147** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 86-73-7 | **Fluorene** | **0.189** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/L | 0.0211 | 0.0211 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.526 | 0.526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/L | 0.526 | 0.526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 78-59-1 | Isophorone | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 91-20-3 | **Naphthalene** | **1.74** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/L | 0.263 | 0.263 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |

## Sample Information

**Client Sample ID:** TW-2 **York Sample ID:** 14G0496-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

### Semi-Volatiles, 8270 Target List

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100-02-7 | 4-Nitrophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/L | 0.526 | 0.526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/L | 0.263 | 0.263 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 85-01-8 | **Phenanthrene** | **0.579** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 108-95-2 | Phenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 129-00-0 | **Pyrene** | **0.105** | | ug/L | 0.0526 | 0.0526 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/16/2014 13:48 | SR |
| 110-86-1 | Pyridine | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/L | 2.63 | 5.26 | 1 | EPA 8270D | 07/15/2014 15:00 | 07/17/2014 13:50 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: 2-Fluorophenol* | *26.8 %* | *10-53* |
| 4165-62-2 | *Surrogate: Phenol-d5* | *15.3 %* | *10-39* |
| 4165-60-0 | *Surrogate: Nitrobenzene-d5* | *63.8 %* | *10-120* |
| 321-60-8 | *Surrogate: 2-Fluorobiphenyl* | *58.2 %* | *10-108* |
| 118-79-6 | *Surrogate: 2,4,6-Tribromophenol* | *84.1 %* | *10-150* |
| 1718-51-0 | *Surrogate: Terphenyl-d14* | *94.8 %* | *10-143* |

### Metals, RCRA

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | **Arsenic** | **0.015** | | mg/L | 0.004 | 0.004 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:32 | MW |
| 7440-39-3 | **Barium** | **1.55** | | mg/L | 0.010 | 0.010 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:32 | MW |
| 7440-43-9 | **Cadmium** | **0.004** | | mg/L | 0.003 | 0.003 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:32 | MW |
| 7440-47-3 | **Chromium** | **0.049** | | mg/L | 0.005 | 0.005 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:32 | MW |
| 7439-92-1 | **Lead** | **0.147** | | mg/L | 0.003 | 0.003 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:32 | MW |
| 7782-49-2 | **Selenium** | **0.017** | | mg/L | 0.010 | 0.010 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:32 | MW |
| 7440-22-4 | Silver | ND | | mg/L | 0.005 | 0.005 | 1 | EPA 6010C | 07/15/2014 14:02 | 07/16/2014 00:32 | MW |

## Sample Information

**Client Sample ID:** TW-2 **York Sample ID:** 14G0496-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 14G0496 | 480 Flushing Ave., Brooklyn NY | Water | July 11, 2014 3:00 pm | 07/14/2014 |

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

| CAS No. | Parameter | Result | Flag | Units | LOD/MDL | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | ND | | mg/L | 0.00020 | 0.00020 | 1 | EPA 7473 | 07/17/2014 08:16 | 07/17/2014 12:36 | ALD |

## Volatile Analysis Sample Containers

| Lab ID | Client Sample ID | Volatile Sample Container |
|---|---|---|
| 14G0496-01 | SP-1 (6-8) | 2 oz. WM Clear Glass Cool to 4° C |
| 14G0496-02 | SP-2 (10-12) | 2 oz. WM Clear Glass Cool to 4° C |
| 14G0496-03 | SP-3 (10-12) | 2 oz. WM Clear Glass Cool to 4° C |
| 14G0496-04 | TW-1 | 40mL Clear Vial (pre-pres.) HCl; Cool to 4° C |
| 14G0496-05 | TW-2 | 40mL Clear Vial (pre-pres.) HCl; Cool to 4° C |

## Notes and Definitions

| | |
|---|---|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences. |
| QM-D | A doubled spike volume was added to this sample. |
| 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. |
| 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). |
| B | Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact. |

---

| | |
|---|---|
| * | 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.

---

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.** 1406496

| **YOUR Information** | **Report To:** | **Invoice To:** | **YOUR Project ID** | **Turn-Around Time** | **Report Type** |
|---|---|---|---|---|---|
| Company: Alpha-Hydro Enviro | Company: Alpha-Hydro Env. | Company: Alpha-Hydro Env | 480 Flushing Ave Brooklyn, NY | RUSH - Same Day ☐ | Summary Report ✓ |
| Address: 1503 Wave Avenue Medford, NY 11763 | Address: 1503 Wave Ave Medford, NY 11763 | Address: | **Purchase Order No.** Job# 14-1337 | RUSH - Next Day ☐ | Summary w/ QA Summary ____ |
| Phone No. (631) 448-1862 | Phone No. (631) 448-1862 | Phone No. | | RUSH - Two Day ☐ | CT RCP Package ____ |
| Contact Person: David Olske | Attention: David Olske | Attention: David Olske | | RUSH - Three Day ☐ | CTRCP DQA/DUE Pkg ____ |
| E-Mail Address: | E-Mail Address: | E-Mail Address: | | RUSH - Four Day ☐ | NY ASP A Package ____ |
| | | | Samples from: CT___ NY___ NJ___ | Standard(5-7 Days) ✓ | NY ASP B Package ____ |
| | | | | | NJDEP Red. Deliv. ____ |
| | | | | | ***Electronic Data Deliverables (EDD)*** |
| | | | | | Simple Excel ____ |
| | | | | | NYSDEC EQuIS ____ |
| | | | | | EQuIS (std) ____ |
| | | | | | EZ-EDD (EQuIS) ____ |
| | | | | | NJDEP SRP HazSite EDD ____ |
| | | | | | GIS/KEY (std) ____ |
| | | | | | Other ____ |
| | | | | | **York Regulatory Comparison** |
| | | | | | **Excel Spreadsheet** ____ |
| | | | | | Compare to the following Regs. (please fill in): |

***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.***

David Olske
Samples Collected/Authorized By (Signature)

David Olske
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

| Volatiles | | Semi-Vols. | Pest/PCB/Herb | Metals | Misc. Org. | Full Lists | Misc. |
|---|---|---|---|---|---|---|---|
| 8260 full | TICs | 8270 or 625 | 8082PCB | RCRA8 | TPH GRO | Pri.Poll. | Corrosivity |
| 624 | Site Spec. | STARS list | 8081Pest | PP13 list | TPH DRO | TCL Organics | Reactivity |
| STARS list | Nassau Co. | BN Only | 8151Herb | TAL | CT ETPH | TAL Met/CN | Ignitability |
| BTEX | Suffolk Co. | Acids Only | CT RCP | CT15 list | NY 310-13 | Full TCLP | Flash Point |
| MTBE | Ketones | PAH list | App. IX | TAGM list | TPH 1664 | Full App. IX | Sieve Anal. |
| TCL list | Oxygenates | TAGM list | Site Spec. | NJDEP list | Air TO14A | Part 360-Routine | Heterotrophs |
| TAGM list | TCLP list | CT RCP list | SPLP or TCLP | Total | Air TO15 | Part 360-Baseline | TOX |
| CT RCP list | 524.2 | TCL list | TCLP Pest | Dissolved | Air STARS | Part 360-Expanded No Dioxins/Furans | BTU/lb. |
| Arom. only | 502.2 | NJDEP list | TCLP Herb | SPLP or TCLP | Air VPH | Part 360-Expanded Full List | Aquatic Tox. |
| Halog.only | NJDEP list | App. IX | Chlordane | Indiv. Metals | Air TICs | NYCDEP Sewer | TOC |
| App.IX list | SPLP or TCLP | TCLP BNA | 608 Pest | LIST Below | Methane | NYSDEC Sewer | Asbestos |
| 8021B list | | SPLP or TCLP | 608 PCB | | Helium | TAGM | Silica |

| Sample Identification | Date/Time Sampled | Sample Matrix | Choose Analyses Needed from the Menu Above and Enter Below | Container Description(s) |
|---|---|---|---|---|
| SP-1 (6-8) | 7/11/14 | S | USEPA 8260 Full List, 8270(BNA), RCRA 8 | 1 (2oz), 1 (8oz) |
| SP-2 (10-12) | | S | " " " | " " |
| SP-3 (10-12) | | S | " " " | " " |
| TW-1 | | GW | " " " | " " |
| TW-2 | ↓ | GW | " " " | " " |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Comments
Need GW Sample filtered

**Preservation** Check those Applicable
4°C____ Frozen____ HCl____ MeOH____ $HNO_3$____ $H_2SO_4$____ NaOH____
ZnAc____ Ascorbic Acid____ Other____ CPM

Special Instructions
Field Filtered ☐
Lab to Filter ☐

| | | | |
|---|---|---|---|
| David Olske | 7/14/14 8:30 AM | KBarker | 7-14-14 |
| Samples Relinquished By | Date/Time | Samples Received By | Date/Time |
| | | PGrace | 7-14-14 1715 |
| Samples Relinquished By | Date/Time | Samples Received in LAB by | Date/Time |

**Temperature on Receipt** 3.4 °C

# SITE CHARACTERIZATION REPORT

**FORMER TECHTRONICS SITE B (#2-24-259)**
**480 FLUSHING AVENUE**
**BROOKLYN, NEW YORK 11205**

***LEA* PROJECT #17-310**

## SUBMITTED TO:

**NEW YORK STATE**
**DEPARTMENT OF ENVIRONMENTAL CONSERVATION**
**DIVISION OF ENVIRONMENTAL REMEDIATION**
**625 BROADWAY**
**ALBANY, NEW YORK 12233**

## PREPARED FOR:

**LAW OFFICES OF THEODORE W. FIRETOG**
**111 THOMAS POWELL BOULEVARD**
**FARMINGDALE, NEW YORK, 11735-2251**
**On behalf its client: 480 FLUSHING LLC**

## PREPARED BY:

**LAUREL ENVIRONMENTAL ASSOCIATES, LTD.**
**53 WEST HILLS ROAD, SUITE 1**
**HUNTINGTON STATION, NEW YORK**

**AUGUST 9, 2018**

**53 WEST HILLS ROAD, SUITE 1, HUNTINGTON STATION, NEW YORK 11746**
**TELEPHONE: (631) 673-0612 FAX: (631) 427-5323**
**WWW.LAURELENV.COM**

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**LAUREL ENVIRONMENTAL ASSOCIATES, LTD.**
**ENVIRONMENTAL CERTIFICATION**

| | |
|---|---|
| ***LEA* Project No.:** | **17-310** |
| **Report:** | Site Characterization Work Plan |
| **Report Date:** | August 9, 2018 |
| **Site:** | 480 Flushing Avenue, Brooklyn, New York 11205 |
| **Client:** | Law Offices of Theodore W. Firetog, on behalf of its client 480 Flushing LLC |

**Report Prepared By:**

Jamie Burgher
Geologist

Brian C. McCabe, QA/QC
Senior Geologist

***ENVIRONMENTAL PROFESSIONAL CERTIFICATION***

I declare that, to the best of my professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in § 312.10 of 40 Code of Federal Regulations (CFR) 312.

The Environmental Professional who directed this project has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property.

Scott A. Yanuck
Principal

August 9, 2018
Date



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## REPORT SPECIFICATIONS

This report contains (36) pages of text.
Copies and circulation of this report are as follows:

- One unbound printed copy and one electronic copy to NYSDEC, Division of Environmental Remediation, Aaron Fischer
- One electronic copy to New York State Department of Health, Bureau of Environmental Exposure Investigation, Krista Anders
- One electronic copy to NYSDEC, Office of General Counsel, Rosalie K. Rusinko, Esq.
- One electronic copy to Theodore W. Firetog, Esq.
- One copy in the confidential client file at ***Laurel Environmental Associates, Ltd.***

This report is prepared for the exclusive use of the principal(s) noted above and is considered private and confidential. ***LEA*** shall not release this report or any of the findings of this report to any person or agency except with the authorization of the named principal(s).



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## ACRONYMS

| | |
|---|---|
| ARARs | Applicable or Relevant and Appropriate Requirements |
| AS | Air Sparge |
| bgs | below ground surface |
| CAMP | Community Air Monitoring Program |
| C&D | Construction and Demolition (debris) |
| CEC | Cation Exchange Capability |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| CFM | cubic feet per minute |
| COC | Contaminates of Concern |
| COD | Chemical Oxygen Demand |
| CPC | Chemical of Potential Concern |
| DNAPL | Dense non-aqueous phase liquid |
| DO | Dissolved Oxygen |
| DOT | Department of Transportation |
| EISB | Enhanced *In-situ* Bioremediation |
| EPA | Environmental Protection Agency |
| FWIA | Fish and Wildlife Impact Analysis |
| HASP | Health and Safety Plan |
| HP | Horsepower |
| HRA | Health Risk Assessment |
| HRC | Hydrogen Release Compound |
| GAC | Granulated Active Carbon |
| IHWS | Inactive Hazardous Waste Site |
| IIWA | Immediate Investigation Work Assignment |
| ISCO | In-Situ Chemical Oxidation |
| LBWD | Long Beach Water District |
| LEA | Laurel Environmental Associates Ltd |
| LDR | Land Disposal Restrictions |
| MNA | Monitored Natural Attenuation |
| MW | Monitoring Well |
| NCDH | Nassau County Department of Health |
| NCP | National Contingency Plan |
| NPL | National Priority List |
| NYSDOH | New York State Department of Health |
| NYSDEC | New York State Department of Environmental Conservation |
| O&M | Operation and Maintenance |
| OSHA | Occupational Safety and Health Administration |
| PAHs | Polycyclic Aromatic Hydrocarbons |
| PCE | Perchloroethene (same as Tetrachloroethene or PERC) |
| PID | Photoionization detector |
| POTW | Publicly-Owned Treatment Works |
| ppb | parts per billion (µg/kg) |
| ppm | parts per million (mg/kg) |
| PRAP | Proposed Remedial Action Plan |
| RAGS | Risk Assessment Guidance for Superfund |
| RAP | Remedial Action Plan |
| RAO | Remedial Action Objective |
| RI/FS | Remedial Investigation/Feasibility Study |
| ROD | Record of Decision |
| ROI | Radius of Influence |
| RSCO | Recommended Soil Cleanup Objective (as per TAGM) |
| SARA | Superfund Amendments and Reauthorization Act |
| SCGs | Standards, Criteria, and Guidance Values |
| SSVMP | Stainless Steel Vapor Monitoring Points |
| SCO | Soil Cleanup Objective |
| SCG | Standards, Criteria and Guidance |
| SVE | Soil Vapor Extraction |
| SVI | Soil Vapor Intrusion |
| SVOC | Semi Volatile Organic Compound |
| TAGM | Technical and Administrative Guidance Memorandum |
| TCE | Trichloroethene |
| TCL | Target Compound List |
| TCLP | Toxicity Characteristic Leaching Procedure |
| TMV | Toxicity, Mobility, or Volume |
| TOC | Total Organic Compounds |
| USEPA | United States Environmental Protection Agency |
| UTS | Universal Treatment Standards |
| VOC | Volatile Organic Compound |
| W.C. | Water Column |



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## 1.0 INTRODUCTION

Laurel Environmental Associates, Ltd. (***LEA***) has been retained to prepare a Site Characterization Report for the New York State Department of Environmental Conservation ("NYSDEC") in accordance with Order on Consent and Administrative Settlement Index No. CO 20-20171106-379 to conduct Site Characterization of the property located at 480 Flushing Avenue, Brooklyn, New York ("Site", see Figure 1.0 for the Site location). The purpose of this Site Characterization program is to assess whether the former operations have negatively impacted environmental conditions at the Site.

| Site Details | |
|---|---|
| **Site Address** | 480 Flushing Avenue, Brooklyn |
| **Cross Streets** | Flushing Avenue and Park Avenue |
| **Site Occupant** | Vacant |
| **Tax Lot** | Block: 1716<br>Lot: 30 |
| **Municipality** | Kings County, New York City |
| **USGS Quadrangle** | Brooklyn |
| **Physical Location** | Latitude 40° 41' 56.00" North<br>Longitude 73° 57' 18.98" West |
| **Land Size** | Approximately 4,000 square feet |
| **Site Elevation** | 14 feet |
| **Depth to Groundwater** | 12 feet |
| **Site Topography** | Flat |






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## 1.1 SITE DESCRIPTION AND BACKGROUND

The Former Techtronics Site B (NYSDEC Site #2-24-259) includes a portion of the Site that was previously used (between 1962 and the 1990s) by the Techtronics Ecological Corporation, a paint and lacquer manufacturer, that was located at Tax Block 1716, Lot 33. In 2011, a portion of Lot 33 was transferred to Block 1716, Lot 30, which is now designated as Site B, and is located at the Site. Based on discussions with the NYSDEC, the scope of this investigation will encompass the entirety of current Lot 30 (see Figure 1.0 for the Site location and Figure 2.0 for the Site layout, including the portion of the Site that was historically part of Lot 33). The Site is approximately 4,000 square feet in area and is currently vacant, with the recent demolition of the 1-story brick building in the southern portion of the Site, which was most recently occupied by the Flushing Fish Market. The northern portion of the Site was historically used for vehicle repairs.

Planned redevelopment of the Site includes construction of a multi-story office building with a basement. As currently anticipated, the basement area of the new building will be used for religious purposes.

Potable water at the Site and in vicinity of the Site is provided by the City of New York, and is supplied from upstate reservoirs. In addition, City regulations restrict operation of private potable wells, so any impacted groundwater in the area of the Site would not represent a threat to human health through direct exposure.

## 1.2 PREVIOUS ENVIRONMENTAL ACTIVITIES

### 1.2.1 ON-SITE

The northern portion of the Site was the subject of an Environmental Phase II Investigation by Alpha-Hydro Environmental Services, conducted in 2014 to investigate the historic use of this portion of the Site for vehicle repairs. The scope included advancing three (3) soil borings (SP-1, SP-2, and SP-3, see Figure 2.0) and submitting one (1) soil sample from each boring for laboratory analysis of volatile organic compounds ("VOCs"), semi-volatile organic compounds ("SVOCs"), and RCRA metals. No VOCs or metals were detected in any of the soil samples at concentrations exceeding 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives ("SCOs"). The sample from SP-1 (6 to 8 feet) did not contain any SVOCs at concentrations exceeding Unrestricted Use SCOs; SVOCs were detected in the other two (2) samples at concentrations exceeding Unrestricted Use SCOs, which were interpreted in the report to represent historic urban fill. Analytical results are summarized in Table I and parameters detected in on-Site samples at concentrations exceeding 6 NYCRR Part 375 Protection of Groundwater SCOs are summarized on Figure 3.0.

Temporary monitoring wells were installed in two of the borings (TW-1 and TW-2, see Figure 2.0), and two (2) groundwater samples were collected for laboratory analysis of VOCs, SVOCs, and RCRA metals.



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Four (4) chlorinated VOCs, including tetrachloroethene ("PCE") and PCE breakdown products trichloroethene ("TCE") and cis-1,2-dichloroethene ("cis-1,2-DCE"), as well as chloroform, were detected in groundwater at concentrations exceeding New York State Class GA groundwater standards. Neither sample contained SVOCs or RCRA metals at concentrations above Class GA groundwater standards. Analytical results are summarized in Table II and parameters detected in on-Site samples at concentrations exceeding New York State Class GA Groundwater Standards and Guidance Values are summarized on Figure 3.0.

Order on Consent and Administrative Settlement Index No. CO 2-20171106-379 ("Order on Consent") was executed on February 1, 2018, between the New York State Department of Environmental Conservation ("NYSDEC") and 480 Flushing LLC. The sampling described in this report was conducted in accordance with the Order on Consent and the NYSDEC-approved *Site Characterization Work Plan*, dated April 23, 2018 and revised on May 29, 2018 ("Work Plan"), which included a Health and Safety Plan, Community Air Monitoring Plan ("CAMP"), and Waste Management Plan.

### 1.2.2 ADJACENT PROPERTY

In 2007, an environmental investigation was conducted at the property immediately south of the Site by P.W. Grosser Consulting, which had historically been used by Techtronics Ecological Corporation for manufacturing purposes. The scope included advancing four (4) soil borings (GP-1 through GP-4, see Figure 2.0) and submitting one (1) soil sample from each boring for laboratory analysis of VOCs and SVOCs. No VOCs or SVOCs were detected in the samples from GP-1, GP-2, or GP-4 at concentrations exceeding Recommended Soil Cleanup Objectives (RSCOs); PCE, TCE, and several SVOCs were detected in the sample from GP-3 (depth of 5 to 7.5 feet) at concentrations above RSCOs. Analytical results for soil samples are summarized in Table I and analytical results for groundwater samples are summarized in Table II.

Groundwater samples were collected from temporary monitoring wells installed in two of the borings (GP-1 and GP-3), as well as from two (2) existing monitoring well (MW-1 and MW-2) identified at the property (locations are shown on Figure 2.0). The groundwater samples from the temporary wells were submitted for analysis of VOCs and SVOCs, and the samples from the permanent wells were submitted for analysis of VOCs only. Several VOCs were detected at concentrations above New York State Class GA groundwater standards in the groundwater samples, including PCE, TCE, and cis-1,2-DCE in all four (4) samples. Only one SVOC, naphthalene, was detected in groundwater at a concentration exceeding New York State Class GA groundwater standards, in the sample from GP-3 (historical sample results are shown on Figure 3.0). According to the P.W. Grosser Consulting report, the VOC and SVOCs detected in the soil and groundwater samples "…are similar to those listed on the environmental database search included in the Phase I ESA" that "…were known to have been stored at the site by Techtronics Ecological Corporation."



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**Table I: Parameters Detected in Historic Soil Samples**

| Sample Identification | Protection of Groundwater SCO | SP-1 | SP-2 | SP-3 | GP-1 | GP-2 | GP-3 | GP-4 |
|---|---|---|---|---|---|---|---|---|
| Depth | | 6-8' | 10-12' | 10-12' | 7.5-10' | 10-12.5' | 5-7.5' | 12.5-15' |
| Date | | 7/11/14 | 7/11/14 | 7/11/14 | 12/17/07 | 12/17/07 | 12/17/07 | 12/17/07 |
| ***VOCs*** | | | | | | | | |
| 1,2,4-Trimethylbenzene | 3,600 | ND | ND | ND | ND | 1,086 | ND | ND |
| 1,3,5-Trimethylbenzene | 8,400 | ND | ND | ND | ND | 343 | ND | ND |
| 2-Butanone (methyl ethyl ketone) | 120 | ND | ND | 6.1 J | ND | ND | ND | 48 |
| Acetone | 50 | ND | 31 | 34 | ND | ND | ND | 105 |
| cis-1,2-DCE | 250 | ND | 5.5 J | ND | ND | ND | 182 | 20 |
| Methylene chloride | 50 | ND | ND | 6.2 J | ND | ND | ND | ND |
| Methyl isobutyl ketone | --- | ND | ND | ND | ND | ND | ND | 8 |
| Naphthalene | 12,000 | ND | 54 B | 51 B | ND | 209 | 1,724 | ND |
| n-Propylbenzene | 3,900 | ND | ND | ND | ND | 244 | ND | ND |
| o-Xylene | 1,600 | ND | ND | 6.2 | ND | ND | ND | 5 |
| m,p-Xylene | 1,600 | ND | ND | ND | ND | ND | 236 | 13 |
| PCE | 1,300 | ND | 98 E | 55 E | ND | ND | 4,330 | ND |
| Toluene | 700 | ND | ND | ND | ND | ND | 571 | 6 |
| TCE | 470 | ND | 7.0 J | ND | ND | ND | 873 | ND |
| ***SVOCs*** | | | | | | | | |
| Acenaphthene | 98,000 | ND | ND | ND | ND | ND | 3,882 | ND |
| Acenaphthylene | 107,000 | ND | ND | ND | ND | ND | 10,864 | ND |
| Anthracene | 1,000,000 | ND | 1,780 J | 5,570 | ND | ND | 19,872 | ND |
| Bis (2-ethylhexyl) phthalate | --- | ND | 3,020 J | ND | ND | 2,798 | 1,159 | ND |
| Benzo (a) anthracene | 1,000 | ND | 2,930 J | 3,080 | ND | ND | 25,694 | ND |
| Benzo (a) pyrene | 22,000 | ND | 1,550 J | 2,840 | ND | ND | 20,469 | ND |
| Benzo (b) fluoranthene | 1,700 | ND | ND | ND | ND | ND | 26,708 | ND |
| Benzo (g,h,i) perylene | 1,000,000 | ND | ND | ND | ND | ND | 10,976 | ND |
| Benzo (k) fluoranthene | 1,700 | ND | 1,790 J | 3,640 | ND | ND | 7,950 | ND |
| Chrysene | 1,000 | ND | 2,280 J | 5,750 | ND | ND | 24,679 | ND |
| Dibenzo (a,h) anthracene | 1,000,000 | ND | ND | 693 J | ND | ND | 3,520 | ND |
| Dibenzofuran | --- | ND | ND | 1,530 J | NA | NA | NA | NA |
| Fluoranthene | 1,000,000 | ND | 7,090 | 12,400 | ND | 2,798 | 1,159 | ND |
| Fluorene | 386,000 | ND | ND | 1,120 J | ND | ND | 13,461 | ND |
| Indeno (1,2,3-cd) pyrene | 8,200 | ND | ND | 1,270 J | ND | ND | 13,040 | ND |
| Naphthalene | 12,000 | ND | ND | 785 J | ND | 244 | 23,295 | ND |
| Phenanthrene | 1,000,000 | ND | 7,690 | 13,800 | ND | 110 | 72,964 | 55 |
| Pyrene | 1,000,000 | ND | 6,260 | 10,500 | ND | 48 | 46,722 | ND |

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**Table I: Parameters Detected in Historic Soil Samples (continued)**

| Sample Identification | Protection of Groundwater SCO | SP-1 | SP-2 | SP-3 | GP-1 | GP-2 | GP-3 | GP-4 |
|---|---|---|---|---|---|---|---|---|
| Depth | | 6-8' | 10-12' | 10-12' | 7.5-10' | 10-12.5' | 5-7.5' | 12.5-15' |
| Date | | 7/11/14 | 7/11/14 | 7/11/14 | 12/17/07 | 12/17/07 | 12/17/07 | 12/17/07 |
| ***Metals*** | | | | | | | | |
| Arsenic | 16 | 1.3 | 1.43 | 2.68 | NA | NA | NA | NA |
| Barium | 820 | 49.5 | 92.8 | 51.4 | NA | NA | NA | NA |
| Chromium | --- | 16.0 | 24.8 | 22.4 | NA | NA | NA | NA |
| Lead | 450 | 4.74 | 53.1 | 3.16 | NA | NA | NA | NA |
| Selenium | 4 | 3.43 | 2.44 | 3.16 | NA | NA | NA | NA |
| Mercury | 0.73 | ND | 0.163 | 0.0599 | NA | NA | NA | NA |

Notes:
Only detected parameters reported
ND: Not detected
B: Compound also detected in blank sample
NA: Not analyzed
Units are micrograms per kilogram for VOCs and SVOCs, and milligrams per kilogram for metals
J: Concentration between Instrument Detection Limit and Reporting Limit – concentration estimated
E: Concentration exceeds linear calibration range – concentration estimated
---: No SCO established for this parameter

**Table II: Parameters Detected in Historic Groundwater Samples**

| Sample Identification | Class GA Groundwater Standard | TW-1 | TW-2 | GP-1 | GP-3 | MW-1 | MW-2 |
|---|---|---|---|---|---|---|---|
| Date | | 7/11/14 | 7/11/14 | 12/17/07 | 12/17/07 | 12/17/07 | 12/17/07 |
| ***VOCs*** | | | | | | | |
| 1,1-Dichloroethane | 5 | ND | ND | ND | ND | ND | 11,239 |
| 1,1-Dichloroethene | 5 | ND | ND | ND | ND | ND | 1,018 |
| 1,1,1-Trichloroethane | 5 | ND | 3.9 | 127 | 103 | ND | 61,883 |
| 1,2,4-Trimethylbenzene | 5 | ND | ND | ND | ND | 6 | ND |
| 2-Butanone (methyl ethyl ketone) | 50 (GV) | ND | ND | ND | ND | ND | 18,356 |
| Acetone | 50 (GV) | 4.1 BEJ | 3.2 EJ | ND | ND | ND | ND |
| cis-1,2-DCE | 5 | 4.3 J | 20 | 387 | 1,200 | 7 | 16,400 |
| Chloroform | 7 | 17 | ND | ND | ND | ND | ND |
| Ethylbenzene | 5 | ND | ND | ND | ND | ND | 4,393 |
| Methyl isobutyl ketone | --- | ND | ND | ND | ND | ND | 8,541 |
| o-Xylene | 5 | ND | ND | ND | ND | ND | 3,729 |
| m,p-Xylene | 5 | ND | ND | ND | ND | ND | 13,676 |
| PCE | 5 | 32 | 65 | 3,176 | 792 | 31 | 48,575 |
| trans-1,3-Dichloropropene | 0.4 | ND | ND | ND | ND | ND | 1,667 |
| Toluene | 5 | ND | ND | ND | 66 | ND | 75,488 |
| TCE | 5 | 8.1 | 17 | 2,315 | 744 | 31 | 48,575 |
| Vinyl chloride | 2 | ND | ND | ND | ND | ND | 2,277 |

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**Table II: Parameters Detected in Historic Groundwater Samples (continued)**

| Sample Identification | Class GA Groundwater Standard | TW-1 | TW-2 | GP-1 | GP-3 | MW-1 | MW-2 |
|---|---|---|---|---|---|---|---|
| Date | | 7/11/14 | 7/11/14 | 12/17/07 | 12/17/07 | 12/17/07 | 12/17/07 |
| ***SVOCs*** | | | | | | | |
| Acenaphthene | 20 (GV) | 0.305 | 0.232 | ND | ND | NA | NA |
| Anthracene | 50 (GV) | 0.284 | 0.126 | ND | ND | NA | NA |
| Chrysene | 0.002 (GV) | 0.0526 J | ND | ND | ND | NA | NA |
| Fluoranthene | 50 (GV) | 0.421 | 0.147 | ND | ND | NA | NA |
| Fluorene | 50 (GV) | 0.158 | 0.189 | ND | ND | NA | NA |
| Naphthalene | 10 (GV) | 0.358 | 1.74 | ND | 17 | NA | NA |
| Phenanthrene | 50 (GV) | 1.29 | 0.579 | ND | ND | NA | NA |
| Pyrene | 50 (GV) | 0.316 | 0.105 | ND | ND | NA | NA |
| ***Metals*** | | | | | | | |
| Arsenic | 25 | ND | 0.015 | NA | NA | NA | NA |
| Barium | 1,000 | 1.02 | 1.55 | NA | NA | NA | NA |
| Cadmium | 5 | ND | 0.004 | NA | NA | NA | NA |
| Chromium | 50 | 0.020 | 0.049 | NA | NA | NA | NA |
| Lead | 25 | 0.037 | 0.147 | NA | NA | NA | NA |
| Selenium | 10 | ND | 0.017 | NA | NA | NA | NA |

Notes:

Only detected parameters reported
ND: Not detected
B: Compound also detected in blank sample
NA: Not analyzed
GV: Guidance value
Units are micrograms per liter
J: Concentration between Instrument Detection Limit and Reporting Limit – concentration estimated
E: Concentration exceeds linear calibration range – concentration estimated
---: No standard established for this parameter

## 2.0 SITE CHARACTERIZATION SCOPE OF WORK

In accordance with the Consent Order, Work Plan, and discussions with the NYSDEC, further characterization of the Site has been completed. The scope of work included advancing eight (8) soil borings, screening of soil samples and selecting two (2) soil samples per boring for laboratory analysis, collecting eight (8) surface soils samples, installing and sampling three (3) permanent monitoring wells, installing and sampling three (3) temporary soil vapor points, and reporting. Details regarding the sampling are provided in the following sections, samples that were collected are summarized in Table III, and sample locations are shown on Figure 4.0. In addition, a previously-unknown underground storage tank ("UST") was identified in the central portion of the Site. Based on this finding, a magnetometer survey of the Site was conducted to assess whether additional USTs were present.

**Table III: Sample Summary**

| Medium | Location/Depth | Rationale | Analyses |
|---|---|---|---|
| Subsurface Soil | SB-1 through SB-4<br>Worst-case or 4 to 6'<br>0 to 2' above water table) | Former auto repair portion of Site | 6 NYCRR Part 375 VOCs/ SVOCs/pesticides/herbicides/ PCBs/metals/hexavalent chromium/cyanide |
| | SB-5 through SB-8<br>Worst-case or 4 to 6'<br>0 to' above water table | Former Techtronics portion of Site | 6 NYCRR Part 375 VOCs/ SVOCs/pesticides/herbicides/ PCBs/metals/hexavalent chromium/cyanide |
| Surface Soil | SS-1A through SS-4A<br>0 to 2" | Surface soil quality throughout Site | 6 NYCRR Part 375 VOCs/ SVOCs/pesticides/herbicides/ PCBs/metals/hexavalent chromium/cyanide |
| | SS-1B through SS-4B<br>2 to 12" (grab from worst-case 2" interval for VOC analysis, composite for other analytes) | Surface soil quality throughout Site | 6 NYCRR Part 375 VOCs/ SVOCs/pesticides/herbicides/ PCBs/metals/hexavalent chromium/cyanide |
| Groundwater | MW-A through MW-C | Groundwater quality throughout Site | 6 NYCRR Part 375 VOCs/ SVOCs/pesticides/herbicides/ PCBs/metals (total and dissolved)/hexavalent chromium/cyanide |
| Soil Vapor | SV-1 through SV-3 | Assess impacts to soil vapor, if any | VOCs |

## 2.1 SITE RECONNAISSANCE AND COMMUNITY AIR MONITORING

Prior to work commencing at the Site, the locations of all samples were marked in the field by ***LEA***. As noted above, during the Site reconnaissance an unregistered 550-gallon UST was encountered at the Site. The UST was determined to have approximate dimensions of 5.4 feet by 4 feet and contained approximately 4 inches of a black oily liquid. To assess potential environmental issues associated with the UST, soil boring SB-3 was moved to a location adjacent to the UST, with prior NYSDEC authorization. See Appendix A for Site photographs.

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In accordance with the Work Plan, CAMP monitoring was conducted during all portions of the field activities, including Site reconnaissance, surface soil sampling, subsurface soil sampling, monitoring well installation and sampling, and soil vapor point installation and sampling. The CAMP included continuous monitoring for particulates at upwind and downwind locations and monitoring for VOCs at sample locations using a photoionization detector ("PID"). No readings were detected that exceeded action levels listed in the CAMP section of the Work Plan. The particulate monitoring data are included in Appendix B.

## 2.2 GEOPHYSICAL SURVEY AND FOLLOW-UP INVESTIGATION

After identifying the previously unknown UST at the Site, ***LEA*** implemented a magnetometer survey to determine whether any additional USTs are present. The survey was conducted in a grid pattern throughout the entire Site, and two (2) anomalies were encountered (see Figure 4.0). One anomaly was identified beneath the current sidewalk in the eastern portion of the Site, located adjacent to two concrete-filled pipes at the edge of the sidewalk. This anomaly may be indicative of an abandoned-in-place UST. The second anomaly was identified in the east-central area of the Site, in an apparent void space beneath a concrete slab, and appears to be located in a former basement at the Site.

Each anomaly was further investigated using a manually-driven tool, to a depth of three (3) feet below ground surface for the sidewalk anomaly and a depth of one (1) foot below ground surface for the east-central anomaly (apparent concrete prevented deeper assessment at this location). No direct evidence of USTs was identified at either location.

## 3.0 SURFACE SOIL SAMPLING

To assess surface soil quality at the Site, two (2) surface soil samples were collected at each of four (4) locations (SS-1 through S_4, see Figure 4.0), from depths of 0 to 2 inches (samples designated "A") and 2 to 12 inches (samples designated "B") below ground surface ("bgs"). The sample analyzed for VOCs from the deeper interval was collected as a grab sample from the 5 to 7 inches bgs, as no "worst-case" interval was encountered at any surface soil location during the sampling process. The samples analyzed for non-VOC parameters from the deeper interval were collected as composite samples over the 2 to 12 inch depth interval. Samples to be analyzed for VOCs were collected using Method 5035 and EnCore samplers. Samples for analysis of the remaining parameters were collected using dedicated disposable sampling equipment (*e.g.*, plastic spoons or scoops). Sampled material was transferred directly into laboratory-supplied containers, which were immediately placed into an iced cooler for delivery by laboratory courier to Alpha Analytical ("Alpha") under chain of custody procedures; Alpha is approved by the New York State Department of Health ("NYSDOH") Environmental Laboratory Approval Program ("ELAP").

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## 3.1 LABORATORY ANALYSIS – SURFACE SOIL

The surface soil samples were analyzed for 6 NYCRR Part 375 VOCs, SVOCs, pesticides, herbicides, poly chlorinated biphenyls ("PCBs,") metals, hexavalent chromium, and cyanide. Parameters detected in the surface soil samples are summarized in Table IV. The laboratory data package is included in Appendix C.

Laboratory analysis of the samples showed the following:

- Hexalent Chromium was detected in SS-4B at concentrations exceeding the 6 NYCRR Part 375 Unrestricted Use SCOs.
- The PCB Aroclor 1254 was detected in SS-1A, SS-3A, SS-3B at concentrations exceeding the 6 NYCRR Part 375 Unrestricted Use SCOs. Additionally, Aroclor 1254 exceeded the 6 NYCRR Part 375 Restricted Residential Use SCOs in SS-4A and SS-4B.
- Several SVOCs were detected in all surface soil samples at concentrations exceeding the 6 NYCRR Part 375 Restricted Residential Use SCOs.
- Several metals were detected in SS-1B, SS-2A, and SS-3B at concentrations exceeding the 6 NYCRR Part 375 Unrestricted Use SCOs. Additionally, metals were detected in SS-1A, SS-2B, SS-3A, SS-4A, and SS-4B at concentrations exceeding the 6 NYCRR Part 375 Restricted Residential Use SCOs.
- Several VOCs were detected in SS-1B, SS-2B, SS-3A and SS-3B at at concentrations exceeding the 6 NYCRR Part 375 Unrestricted Use SCOs.

The surface soil sample results that exceeded the 6 NYCRR Part 375 Unrestricted Use SCOs are summarized on Figure 5.0.

**Table IV: Parameters Detected in Surface Soil Samples**

| LOCATION | | | SS-1A | | SS-1B | | SS-2A | | SS-2B | | SS-3A | | SS-3B | | SS-4A | | SS-4B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (in.) | | | 0-2 | | 2-12 | | 0-2 | | 2-12 | | 0-2 | | 2-12 | | 0-2 | | 2-12 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Chlorinated Herbicides by GC | | | | | | | | | | | | | | | | | | |
| General Chemistry | | | | | | | | | | | | | | | | | | |
| Solids, Total | | | 90 | | 90.7 | | 83.1 | | 87.2 | | 91.1 | | 91.1 | | 86.1 | | 86.7 | |
| Cyanide, Total | 27 | 27 | 1.1 | U | 1 | U | 1.2 | U | 1.1 | U | 1.1 | U | 1 | U | 0.24 | J | 1.1 | U |
| Chromium, Hexavalent | 110 | 1 | 0.889 | U | 0.882 | U | 0.289 | J | 0.917 | U | 0.878 | U | 0.878 | U | 0.546 | J | 3.96 | |
| Polychlorinated Biphenyls by GC | | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | 1 | 0.1 | 0.201 | | 0.0063 | J | 0.0209 | J | 0.00518 | J | 0.558 | | 0.264 | | 1.24 | | 1.4 | |
| PCBs, Total | 1 | 0.1 | 0.201 | | 0.0063 | J | 0.0209 | J | 0.00518 | J | 0.558 | | 0.264 | | 1.24 | | 1.4 | |

Notes:
All units are in mg/Kg
Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs
Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs
Q is the qualifier column, where:
U=analyte was not detected at the reported detection limit for the sample
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

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# Table IV: Parameters Detected in Surface Soil Samples (continued)

| LOCATION | | | SS-1A | | SS-1B | | SS-2A | | SS-2B | | SS-3A | | SS-3B | | SS-4A | | SS-4B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (in.) | | | 0-2 | | 2-12 | | 0-2 | | 2-12 | | 0-2 | | 2-12 | | 0-2 | | 2-12 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Semivolatile Organics by GC/MS | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 100 | 20 | 0.022 | J | 0.085 | J | 0.1 | J | 0.4 | | 0.7 | | 0.47 | | 0.3 | | 0.62 | |
| Fluoranthene | 100 | 100 | 1.3 | | 3.7 | | 3.8 | | 4.3 | | 11 | D | 6.1 | | 3.8 | | 6.8 | |
| Naphthalene | 100 | 12 | 0.18 | U | 0.081 | J | 0.046 | J | 0.27 | | 0.22 | | 0.25 | | 0.17 | J | 0.19 | |
| Bis(2-ethylhexyl)phthalate | | | 0.12 | J | 0.65 | | 0.2 | U | 0.19 | U | 0.088 | J | 0.18 | U | 0.26 | | 0.44 | |
| Di-n-butylphthalate | | | 0.18 | U | 0.18 | U | 0.2 | U | 0.19 | U | 0.18 | U | 0.18 | U | 0.054 | J | 0.12 | J |
| Benzo(a)anthracene | 1 | 1 | 0.85 | | 3.9 | | 2 | | 1.7 | | 5.5 | | 2.8 | | 1.8 | | 3.4 | |
| Benzo(a)pyrene | 1 | 1 | 0.71 | | 4.5 | | 1.7 | | 1.6 | | 4.7 | | 2.4 | | 1.6 | | 3.1 | |
| Benzo(b)fluoranthene | 1 | 1 | 1.4 | | 8.5 | D | 2.2 | | 2.3 | | 6 | | 3.1 | | 2 | | 4.2 | |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.32 | | 1.7 | | 0.79 | | 0.5 | | 1.8 | | 0.94 | | 0.76 | | 1.1 | |
| Chrysene | 3.9 | 1 | 0.82 | | 4.3 | | 1.9 | | 1.9 | | 4.7 | | 2.6 | | 1.8 | | 3.7 | |
| Acenaphthylene | 100 | 100 | 0.2 | | 1.4 | | 0.28 | | 0.19 | | 0.42 | | 0.26 | | 0.29 | | 0.3 | |
| Anthracene | 100 | 100 | 0.22 | | 1.2 | | 0.62 | | 0.76 | | 2.1 | | 1.3 | | 0.65 | | 1.1 | |
| Benzo(ghi)perylene | 100 | 100 | 0.61 | | 3.6 | | 0.98 | | 1 | | 2.6 | | 1.5 | | 1.1 | | 1.9 | |
| Fluorene | 100 | 30 | 0.025 | J | 0.094 | J | 0.095 | J | 0.34 | | 0.71 | | 0.41 | | 0.27 | | 0.39 | |
| Phenanthrene | 100 | 100 | 0.62 | | 1.8 | | 2.2 | | 4.2 | | 8.8 | D | 5.3 | | 3.1 | | 5.4 | |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.19 | | 1.2 | | 0.3 | | 0.28 | | 0.77 | | 0.39 | | 0.28 | | 0.56 | |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.72 | | 4.5 | | 1.1 | | 1.1 | | 3 | | 1.6 | | 1.2 | | 2.1 | |
| Pyrene | 100 | 100 | 1.3 | | 4.2 | | 3.5 | | 3.8 | | 9.7 | D | 5.4 | | 3.6 | | 6.4 | |
| Biphenyl | | | 0.41 | U | 0.41 | U | 0.45 | U | 0.048 | J | 0.073 | J | 0.046 | J | 0.43 | U | 0.045 | J |
| Dibenzofuran | 59 | 7 | 0.05 | J | 0.21 | | 0.074 | J | 0.4 | | 0.62 | | 0.38 | | 0.22 | | 0.35 | |
| 2-Methylnaphthalene | | | 0.22 | U | 0.081 | J | 0.23 | U | 0.15 | J | 0.14 | J | 0.12 | J | 0.095 | J | 0.13 | J |
| Acetophenone | | | 0.18 | U | 0.18 | U | 0.2 | U | 0.19 | U | 0.18 | U | 0.18 | U | 0.052 | J | 0.19 | U |
| 2,4-Dimethylphenol | | | 0.18 | U | 0.18 | U | 0.2 | U | 0.19 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U |
| Pentachlorophenol | 6.7 | 0.8 | 0.14 | U | 0.14 | U | 0.16 | U | 0.15 | U | 0.14 | U | 0.14 | U | 0.054 | J | 0.15 | U |
| Phenol | 100 | 0.33 | 0.18 | U | 0.18 | U | 0.2 | U | 0.19 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U |
| 2-Methylphenol | 100 | 0.33 | 0.18 | U | 0.18 | U | 0.2 | U | 0.19 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U |
| 3-Methylphenol/4-Methylphenol | 100 | 0.33 | 0.26 | U | 0.049 | J | 0.28 | U | 0.27 | U | 0.028 | J | 0.26 | U | 0.27 | U | 0.27 | U |
| Carbazole | | | 0.055 | J | 0.2 | | 0.16 | J | 0.47 | | 0.73 | | 0.55 | | 0.3 | | 0.42 | |

Notes:
All units are in mg/Kg
Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs
Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs
Q is the qualifier column, where:
U=analyte was not detected at the reported detection limit for the sample
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated
D=concentration of analyte was quantified from diluted analysis.

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# Table IV: Parameters Detected in Surface Soil Samples (continued)

| LOCATION | | | SS-1A | | SS-1B | | SS-2A | | SS-2B | | SS-3A | | SS-3B | | SS-4A | | SS-4B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (in.) | | | 0-2 | | 2-12 | | 0-2 | | 2-12 | | 0-2 | | 2-12 | | 0-2 | | 2-12 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Total Metals | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | | | 6260 | | 10200 | | 8980 | | 10700 | | 4680 | | 5720 | | 5710 | | 5130 | |
| Antimony, Total | | | 4.17 | U | 0.606 | J | 4.76 | U | 4.51 | U | 0.367 | J | 0.679 | J | 1.4 | J | 0.875 | J |
| Arsenic, Total | 16 | 13 | 4.1 | | 8.52 | | 3.29 | | 3.76 | | 4.46 | | 4.53 | | 5.83 | | 5.17 | |
| Barium, Total | 400 | 350 | 193 | | 94.2 | | 51.4 | | 107 | | 234 | | 72.1 | | 249 | | 225 | |
| Beryllium, Total | 72 | 7.2 | 0.367 | J | 0.346 | J | 0.276 | J | 0.388 | J | 0.254 | J | 0.318 | J | 0.208 | J | 0.207 | J |
| Cadmium, Total | 4.3 | 2.5 | 0.467 | J | 0.865 | U | 0.951 | U | 0.902 | U | 0.875 | U | 0.559 | J | 0.907 | U | 0.902 | U |
| Calcium, Total | | | 2730 | | 1720 | | 1970 | | 1530 | | 3290 | | 1800 | | 30300 | | 15500 | |
| Chromium, Total | | | 13.2 | | 28.4 | | 27.3 | | 24.1 | | 11.7 | | 12.5 | | 23 | | 15.2 | |
| Cobalt, Total | | | 5.83 | | 7.8 | | 9.4 | | 8.94 | | 4.62 | | 10.4 | | 5.05 | | 4.71 | |
| Copper, Total | 270 | 50 | 93.1 | | 30.5 | | 28.4 | | 20.6 | | 28.6 | | 21.6 | | 69.3 | | 43 | |
| Iron, Total | | | 16500 | | 17300 | | 18600 | | 16600 | | 16000 | | 15300 | | 14200 | | 12500 | |
| Lead, Total | 400 | 63 | 564 | | 77 | | 58.5 | | 43.2 | | 260 | | 120 | | 602 | | 443 | |
| Magnesium, Total | | | 1800 | | 2260 | | 2480 | | 2320 | | 1450 | | 1720 | | 5560 | | 2120 | |
| Manganese, Total | 2000 | 1600 | 327 | | 432 | | 341 | | 438 | | 315 | | 548 | | 242 | | 226 | |
| Mercury, Total | 0.81 | 0.18 | 2.29 | | 0.604 | | 0.366 | | 1.1 | | 1.14 | | 0.609 | | 2.15 | | 2.23 | |
| Nickel, Total | 310 | 30 | 11.2 | | 13.3 | | 14.1 | | 12.7 | | 10.9 | | 11.6 | | 9.96 | | 9.15 | |
| Potassium, Total | | | 744 | | 1250 | | 1390 | | 1340 | | 666 | | 752 | | 1080 | | 1030 | |
| Selenium, Total | 180 | 3.9 | 1.67 | U | 0.407 | J | 0.409 | J | 1.8 | U | 0.56 | J | 1.72 | U | 0.771 | J | 0.586 | J |
| Silver, Total | 180 | 2 | 0.834 | U | 0.865 | U | 0.951 | U | 0.902 | U | 0.875 | U | 0.86 | U | 0.326 | J | 0.902 | U |
| Sodium, Total | | | 55.9 | J | 64.4 | J | 63.6 | J | 66.6 | J | 77.4 | J | 161 | J | 250 | | 196 | |
| Thallium, Total | | | 1.67 | U | 1.73 | U | 1.9 | U | 1.8 | U | 1.75 | U | 1.72 | U | 1.81 | U | 1.8 | U |
| Vanadium, Total | | | 22.6 | | 32.6 | | 28.8 | | 34.4 | | 20.5 | | 33.9 | | 20 | | 19 | |
| Zinc, Total | 10000 | 109 | 94.5 | | 68.8 | | 51.8 | | 46.5 | | 158 | | 155 | | 337 | | 236 | |

Notes:

All units are in mg/Kg

Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs

Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs

Q is the qualifier column, where:

U=analyte was not detected at the reported detection limit for the sample

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

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# Table IV: Parameters Detected in Surface Soil Samples (continued)

| LOCATION | | | SS-1A | | SS-1B | | SS-2A | | SS-2B | | SS-3A | | SS-3B | | SS-4A | | SS-4B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (in.) | | | 0-2 | | 2-12 | | 0-2 | | 2-12 | | 0-2 | | 2-12 | | 0-2 | | 2-12 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Volatile Organics by 8260/5035 | | | | | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | 26 | 0.27 | 0.0019 | U | 0.084 | U | 0.003 | U | 0.21 | U | 0.16 | U | 0.11 | U | 0.13 | U | 0.0028 | U |
| Tetrachloroethene | 19 | 1.3 | 0.0012 | J | 5.4 | | 0.017 | | 6.4 | | 2.4 | | 2.8 | | 1.1 | | 0.0042 | |
| 1,2-Dichloroethane | 3.1 | 0.02 | 0.0013 | U | 0.056 | U | 0.002 | U | 0.71 | | 0.11 | U | 0.075 | U | 0.084 | U | 0.0019 | U |
| 1,1,1-Trichloroethane | 100 | 0.68 | 0.0013 | U | 0.047 | J | 0.002 | U | 0.1 | J | 0.072 | J | 0.13 | | 0.079 | J | 0.0019 | U |
| Toluene | 100 | 0.7 | 0.00042 | J | 0.11 | | 0.003 | U | 0.042 | J | 0.16 | U | 0.015 | J | 0.039 | J | 0.00088 | J |
| Ethylbenzene | 41 | 1 | 0.0013 | U | 0.029 | J | 0.002 | U | 0.14 | U | 0.11 | U | 0.075 | U | 0.084 | U | 0.0019 | U |
| Vinyl chloride | 0.9 | 0.02 | 0.0026 | U | 0.11 | U | 0.004 | U | 0.28 | U | 0.22 | U | 0.15 | U | 0.17 | U | 0.0037 | U |
| 1,1-Dichloroethene | 100 | 0.33 | 0.0013 | U | 0.056 | U | 0.002 | U | 0.14 | U | 0.11 | U | 0.075 | U | 0.084 | U | 0.0019 | U |
| trans-1,2-Dichloroethene | 100 | 0.19 | 0.0019 | U | 0.084 | U | 0.003 | U | 0.21 | U | 0.16 | U | 0.11 | U | 0.13 | U | 0.0028 | U |
| Trichloroethene | 21 | 0.47 | 0.0013 | U | 0.71 | | 0.0086 | | 16 | | 0.53 | | 1.3 | | 0.41 | | 0.0022 | |
| p/m-Xylene | | | 0.0026 | U | 0.14 | | 0.004 | U | 0.28 | U | 0.22 | U | 0.15 | U | 0.062 | J | 0.0037 | U |
| o-Xylene | | | 0.0026 | U | 0.054 | J | 0.004 | U | 0.28 | U | 0.22 | U | 0.15 | U | 0.044 | J | 0.0037 | U |
| Xylenes, Total | 100 | 0.26 | 0.0026 | U | 0.19 | J | 0.004 | U | 0.28 | U | 0.22 | U | 0.15 | U | 0.11 | J | 0.0037 | U |
| cis-1,2-Dichloroethene | 100 | 0.25 | 0.0013 | U | 0.26 | | 0.0011 | J | 0.56 | | 0.11 | U | 0.041 | J | 0.034 | J | 0.0019 | U |
| 1,2-Dichloroethene, Total | | | 0.0013 | U | 0.26 | | 0.0011 | J | 0.56 | | 0.11 | U | 0.041 | J | 0.034 | J | 0.0019 | U |
| Acetone | 100 | 0.05 | 0.013 | U | 0.56 | U | 0.02 | U | 1.4 | U | 1.1 | U | 0.75 | U | 0.84 | U | 0.019 | U |
| Carbon disulfide | | | 0.013 | U | 0.56 | U | 0.02 | U | 1.4 | U | 1.1 | U | 0.75 | U | 0.84 | U | 0.019 | U |
| 2-Butanone | 100 | 0.12 | 0.013 | U | 0.56 | U | 0.02 | U | 1.4 | U | 1.1 | U | 0.75 | U | 0.84 | U | 0.019 | U |
| 4-Methyl-2-pentanone | | | 0.013 | U | 0.16 | J | 0.02 | U | 1.4 | U | 1.1 | U | 0.75 | U | 0.84 | U | 0.019 | U |
| n-Butylbenzene | 100 | 12 | 0.0013 | U | 0.056 | U | 0.002 | U | 0.14 | U | 0.11 | U | 0.075 | U | 0.084 | U | 0.0019 | U |
| sec-Butylbenzene | 100 | 11 | 0.0013 | U | 0.056 | U | 0.002 | U | 0.14 | U | 0.11 | U | 0.075 | U | 0.084 | U | 0.0019 | U |
| Isopropylbenzene | | | 0.0013 | U | 0.056 | U | 0.002 | U | 0.14 | U | 0.11 | U | 0.075 | U | 0.084 | U | 0.0019 | U |
| p-Isopropyltoluene | | | 0.0013 | U | 0.056 | U | 0.002 | U | 0.14 | U | 0.11 | U | 0.075 | U | 0.084 | U | 0.0019 | U |
| Naphthalene | 100 | 12 | 0.0064 | U | 0.026 | J | 0.01 | U | 0.04 | J | 0.03 | J | 0.35 | J | 0.17 | J | 0.0093 | U |
| n-Propylbenzene | 100 | 3.9 | 0.0013 | U | 0.056 | U | 0.002 | U | 0.14 | U | 0.11 | U | 0.075 | U | 0.084 | U | 0.0019 | U |
| 1,3,5-Trimethylbenzene | 52 | 8.4 | 0.0064 | U | 0.027 | J | 0.01 | U | 0.69 | U | 0.55 | U | 0.38 | U | 0.018 | J | 0.0093 | U |
| 1,2,4-Trimethylbenzene | 52 | 3.6 | 0.0064 | U | 0.032 | J | 0.01 | U | 0.69 | U | 0.55 | U | 0.38 | U | 0.017 | J | 0.0093 | U |
| p-Ethyltoluene | | | 0.0052 | U | 0.034 | J | 0.008 | U | 0.55 | U | 0.44 | U | 0.3 | U | 0.34 | U | 0.0074 | U |
| 1,2,4,5-Tetramethylbenzene | | | 0.0052 | U | 0.011 | J | 0.008 | U | 0.55 | U | 0.44 | U | 0.3 | U | 0.34 | U | 0.0074 | U |

Notes:
All units are in mg/Kg
Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs
Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs
Q is the qualifier column, where:
U=analyte was not detected at the reported detection limit for the sample
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

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## 4.0 SOIL BORINGS AND SUBSURFACE SOIL SAMPLING

To assess soil quality beneath the Site, soil borings were advanced at eight (8) locations (see Figure 4.0). Using a direct push rig, soil samples at each boring were collected continuously from ground surface to a depth of 20 feet bgs. Upon retrieval, each sample sleeve was opened and the soil within was screened for VOCs using a PID. The "worst-case" interval, based on PID readings or other indications of contamination (staining, odors, etc.) was submitted for laboratory analysis. If no significant PID readings or other indications of potential contamination were identified, the sample from 4 to 6 feet below ground surface was submitted for laboratory analysis. In addition, the sample from the 2-foot interval immediately above the water table in each boring was submitted for laboratory analysis. Please refer to Appendix D for soil boring logs.

Samples to be analyzed for VOCs were collected using Method 5035 and EnCore samplers. Samples for analysis of the remaining parameters were collected using dedicated disposable sampling equipment (*e.g.*, plastic spoons or scoops). Sampled material was transferred directly into laboratory-supplied containers, which were immediately placed into an iced cooler for delivery by laboratory courier to Alpha under chain of custody procedures.

In accordance with the Waste Management Plan in the Work Plan, soil samples and drill cuttings were screened for evidence of contamination. After completion of sampling at each location not to be a permanent monitoring well, the boring was backfilled with excess soil, in reverse order (i.e., last out, first in), and/or clean sand.

## 4.1 LABORATORY ANALYSIS –SUBSURFACE SOIL

The subsurface soil samples were analyzed for 6 NYCRR Part 375 VOCs, SVOCs, pesticides, herbicides, PCBs, metals, hexavalent chromium, and cyanide. Parameters detected in the surface soil samples are summarized in Table V. The laboratory data package is included in Appendix C.

Laboratory analysis of the samples showed the following:

- The pesticide 4,4'-DDE was detected in SB-1A at concentrations exceeding the 6 NYCRR Part 375 Unrestricted Use SCOs. Additionally, the pesticide 4,4' DDD was detected in SB-3A and SB-5A at concentrations exceeding the 6 NYCRR Part 375 Unrestricted Use SCOs.
- The PCB Aroclor 1254 was detected in SB-5A at concentrations exceeding the 6 NYCRR Part 375 Restricted Residential Use SCOs.
- Several SVOCs were detected in SB-1A, SB-3A, and SB-5A at concentrations exceeding the 6 NYCRR Part 375 Restricted Residential Use SCOs.
- The metal Zinc was detected in SB-1B at concentrations exceeding the 6 NYCRR Part 375 Unrestricted Use SCOs. Additionally, metals were detected in SB-1A, SB-3A, and SB-5A at concentrations exceeding the 6 NYCRR Part 375 Restricted Residential Use SCOs.

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- VOCs were detected in SB-1A, SB-3A, SB-8A, and SB-8B at concentrations exceeding the 6 NYCRR Part 375 Unrestricted Use SCOs. Additionally the VOC Tetrachloroethene was detected in SB-5A at concentrations exceeding the 6 NYCRR Part 375 Restricted Residential Use SCOs.

The subsurface soil sample results that exceeded the 6 NYCRR Part 375 Unrestricted Use SCOs are summarized on Figure 6.0.

**Table V: Parameters Detected in Subsurface Soil Samples, SB-1 through SB-4**

| LOCATION | | | SB-1A | | SB-1B | | SB-2A | | SB-2B | | SB-3A | | SB-3B | | SB-4A | | SB-4B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (ft.) | | | 1-3 | | 12-14 | | 4-6 | | 13-15 | | 1-3 | | 11-13 | | 5-7 | | 13-15 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Chlorinated Herbicides by GC | | | | | | | | | | | | | | | | | | |
| General Chemistry | | | | | | | | | | | | | | | | | | |
| Solids, Total | | | 91.9 | | 87.4 | | 91.4 | | 91.3 | | 86.5 | | 91.7 | | 80.6 | | 89.4 | |
| Cyanide, Total | 27 | 27 | 1.1 | U | 1.1 | U | 1 | U | 1 | U | 1.1 | U | 1.1 | U | 1.2 | U | 1.1 | U |
| Chromium, Hexavalent | 110 | 1 | 0.326 | J | 0.915 | U | 0.875 | U | 0.876 | U | 0.925 | U | 0.872 | U | 0.992 | U | 0.895 | U |
| Organochlorine Pesticides by GC | | | | | | | | | | | | | | | | | | |
| 4,4'-DDE | 8.9 | 0.0033 | 0.0107 | P | 0.00173 | U | 0.00174 | U | 0.00166 | U | 0.00086 | JPI | 0.00172 | U | 0.00195 | U | 0.0017 | U |
| 4,4'-DDD | 13 | 0.0033 | 0.00823 | U | 0.00173 | U | 0.00174 | U | 0.00166 | U | 0.00423 | | 0.00172 | U | 0.00195 | U | 0.0017 | U |
| Polychlorinated Biphenyls by GC | | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | 1 | 0.1 | 0.0357 | U | 0.0364 | U | 0.036 | U | 0.0357 | U | 0.0372 | U | 0.00338 | J | 0.0402 | U | 0.0358 | U |
| PCBs, Total | 1 | 0.1 | 0.0357 | U | 0.0364 | U | 0.036 | U | 0.0357 | U | 0.0372 | U | 0.00338 | J | 0.0402 | U | 0.0358 | U |

Notes:
All units are in mg/Kg
Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs
Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs
Q is the qualifier column, where:
U=analyte was not detected at the reported detection limit for the sample
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated
P=the relative percent difference (RPD) between the results for the two columns exceeds the method-specific criteria
I=the lower value for the two columns has been reported due to obvious interference

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## Table V: Parameters Detected in Subsurface Soil Samples, SB-5 through SB-8 (continued)

| LOCATION | | | SB-5A | | SB-5B | | SB-6A | | SB-6B | | SB-7A | | SB-7B | | SB-8A | | SB-8B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (ft.) | | | 2-4 | | 12-14 | | 4-6 | | 13-15 | | 4-6 | | 12-14 | | 8-10 | | 13-15 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Chlorinated Herbicides by GC | | | | | | | | | | | | | | | | | | |
| General Chemistry | | | | | | | | | | | | | | | | | | |
| Solids, Total | | | 78.6 | | 90.7 | | 90.2 | | 90.7 | | 86.5 | | 84.2 | | 91.8 | | 89.1 | |
| Cyanide, Total | 27 | 27 | 1 | J | 1 | U | 1.1 | U | 1.1 | U | 1.1 | U | 1.1 | U | 1 | U | 1.1 | U |
| Chromium, Hexavalent | 110 | 1 | 1.02 | U | 0.882 | U | 0.887 | U | 0.882 | U | 0.22 | J | 0.95 | U | 0.871 | U | 0.898 | U |
| Organochlorine Pesticides by GC | | | | | | | | | | | | | | | | | | |
| 4,4'-DDE | 8.9 | 0.0033 | 0.0398 | U | 0.00166 | U | 0.00169 | U | 0.00173 | U | 0.00185 | U | 0.00188 | U | 0.00168 | U | 0.0857 | U |
| 4,4'-DDD | 13 | 0.0033 | 0.018 | JPI | 0.00166 | U | 0.00169 | U | 0.00173 | U | 0.00185 | U | 0.00188 | U | 0.00168 | U | 0.0857 | U |
| Polychlorinated Biphenyls by GC | | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | 1 | 0.1 | 1.82 | | 0.0285 | J | 0.0151 | J | 0.0361 | U | 0.0383 | U | 0.0106 | J | 0.035 | U | 0.0371 | U |
| PCBs, Total | 1 | 0.1 | 1.82 | | 0.0285 | J | 0.0151 | J | 0.0361 | U | 0.0383 | U | 0.0106 | J | 0.035 | U | 0.0371 | U |

Notes:
All units are in mg/Kg
Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs
Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs
Q is the qualifier column, where:
U=analyte was not detected at the reported detection limit for the sample
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated
P=the relative percent difference (RPD) between the results for the two columns exceeds the method-specific criteria
I=the lower value for the two columns has been reported due to obvious interference

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## Table V: Parameters Detected in Subsurface Soil Samples, SB-1 through SB-4 (continued)

| LOCATION | | | SB-1A | | SB-1B | | SB-2A | | SB-2B | | SB-3A | | SB-3B | | SB-4A | | SB-4B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (ft.) | | | 1-3 | | 12-14 | | 4-6 | | 13-15 | | 1-3 | | 11-13 | | 5-7 | | 13-15 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Semivolatile Organics by GC/MS | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 100 | 20 | 41 | | 0.1 | J | 0.14 | U | 0.14 | U | 2.7 | | 0.14 | U | 0.16 | U | 0.15 | U |
| Fluoranthene | 100 | 100 | 190 | D | 0.5 | | 0.28 | | 0.11 | U | 22 | D | 0.11 | U | 0.049 | J | 0.11 | U |
| Naphthalene | 100 | 12 | 80 | D | 0.19 | | 0.026 | J | 0.18 | U | 1.5 | | 0.18 | U | 0.2 | U | 0.19 | U |
| Bis(2-ethylhexyl)phthalate | | | 1.8 | U | 0.19 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.18 | U | 0.2 | U | 0.19 | U |
| Di-n-butylphthalate | | | 1.8 | U | 0.19 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.18 | U | 0.2 | U | 0.19 | U |
| Benzo(a)anthracene | 1 | 1 | 70 | | 0.19 | | 0.14 | | 0.11 | U | 9.1 | D | 0.11 | U | 0.038 | J | 0.11 | U |
| Benzo(a)pyrene | 1 | 1 | 53 | | 0.16 | | 0.12 | J | 0.14 | U | 7.3 | | 0.14 | U | 0.16 | U | 0.15 | U |
| Benzo(b)fluoranthene | 1 | 1 | 64 | | 0.2 | | 0.16 | | 0.11 | U | 10 | D | 0.11 | U | 0.041 | J | 0.11 | U |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 24 | | 0.072 | J | 0.056 | J | 0.11 | U | 2.8 | | 0.11 | U | 0.12 | U | 0.11 | U |
| Chrysene | 3.9 | 1 | 63 | | 0.17 | | 0.12 | | 0.11 | U | 8.5 | D | 0.11 | U | 0.029 | J | 0.11 | U |
| Acenaphthylene | 100 | 100 | 1.4 | | 0.15 | U | 0.04 | J | 0.14 | U | 0.74 | | 0.14 | U | 0.16 | U | 0.15 | U |
| Anthracene | 100 | 100 | 70 | | 0.16 | | 0.041 | J | 0.11 | U | 4.8 | | 0.11 | U | 0.12 | U | 0.11 | U |
| Benzo(ghi)perylene | 100 | 100 | 28 | | 0.086 | J | 0.068 | J | 0.14 | U | 3.8 | | 0.14 | U | 0.16 | U | 0.15 | U |
| Fluorene | 100 | 30 | 27 | | 0.061 | J | 0.18 | U | 0.18 | U | 2.4 | | 0.18 | U | 0.2 | U | 0.19 | U |
| Phenanthrene | 100 | 100 | 290 | D | 0.71 | | 0.2 | | 0.11 | U | 23 | D | 0.11 | U | 0.12 | U | 0.11 | U |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 7.7 | | 0.025 | J | 0.11 | U | 0.11 | U | 1.2 | | 0.11 | U | 0.12 | U | 0.11 | U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 32 | | 0.095 | J | 0.079 | J | 0.14 | U | 4.6 | | 0.14 | U | 0.16 | U | 0.15 | U |
| Pyrene | 100 | 100 | 150 | D | 0.41 | | 0.24 | | 0.11 | U | 18 | D | 0.11 | U | 0.043 | J | 0.11 | U |
| Biphenyl | | | 7.9 | | 0.43 | U | 0.41 | U | 0.41 | U | 0.32 | J | 0.41 | U | 0.47 | U | 0.42 | U |
| Dibenzofuran | 59 | 7 | 44 | | 0.12 | J | 0.018 | J | 0.18 | U | 2.4 | | 0.18 | U | 0.2 | U | 0.19 | U |
| 2-Methylnaphthalene | | | 31 | | 0.077 | J | 0.22 | U | 0.22 | U | 0.9 | | 0.22 | U | 0.25 | U | 0.22 | U |
| Acetophenone | | | 1.8 | U | 0.19 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.18 | U | 0.2 | U | 0.19 | U |
| 2,4-Dimethylphenol | | | 1.8 | U | 0.19 | U | 0.18 | U | 0.18 | U | 0.079 | J | 0.18 | U | 0.2 | U | 0.19 | U |
| Pentachlorophenol | 6.7 | 0.8 | 1.4 | U | 0.15 | U | 0.14 | U | 0.14 | U | 0.15 | U | 0.14 | U | 0.16 | U | 0.15 | U |
| Phenol | 100 | 0.33 | 0.53 | J | 0.19 | U | 0.18 | U | 0.18 | U | 0.082 | J | 0.18 | U | 0.2 | U | 0.19 | U |
| 2-Methylphenol | 100 | 0.33 | 0.34 | J | 0.19 | U | 0.18 | U | 0.18 | U | 0.042 | J | 0.18 | U | 0.2 | U | 0.19 | U |
| 3-Methylphenol/4-Methylphenol | 100 | 0.33 | 1.2 | J | 0.27 | U | 0.26 | U | 0.26 | U | 0.14 | J | 0.26 | U | 0.3 | U | 0.27 | U |
| Carbazole | | | 27 | | 0.073 | J | 0.18 | U | 0.18 | U | 2.8 | | 0.18 | U | 0.2 | U | 0.19 | U |

Notes:
All units are in mg/Kg
Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs
Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs
Q is the qualifier column, where:
U=analyte was not detected at the reported detection limit for the sample
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated
D=concentration of analyte was quantified from diluted analysis

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# Table V: Parameters Detected in Subsurface Soil Samples, SB-5 through SB-8 (continued)

| LOCATION | | | SB-5A | | SB-5B | | SB-6A | | SB-6B | | SB-7A | | SB-7B | | SB-8A | | SB-8B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (ft.) | | | 2-4 | | 12-14 | | 4-6 | | 13-15 | | 4-6 | | 12-14 | | 8-10 | | 13-15 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Semivolatile Organics by GC/MS | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 100 | 20 | 84 | | 0.16 | | 0.14 | U | 0.15 | U | 0.15 | U | 0.16 | U | 0.14 | U | 0.14 | U |
| Fluoranthene | 100 | 100 | 720 | D | 1.4 | | 0.038 | J | 0.11 | U | 0.11 | U | 0.12 | U | 0.11 | U | 0.11 | U |
| Naphthalene | 100 | 12 | 300 | | 0.63 | | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U | 0.18 | U | 0.18 | U |
| Bis(2-ethylhexyl)phthalate | | | 10 | U | 0.18 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U | 0.18 | U | 0.18 | U |
| Di-n-butylphthalate | | | 10 | U | 0.18 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U | 0.18 | U | 0.18 | U |
| Benzo(a)anthracene | 1 | 1 | 260 | | 0.62 | | 0.022 | J | 0.11 | U | 0.11 | U | 0.022 | J | 0.11 | U | 0.11 | U |
| Benzo(a)pyrene | 1 | 1 | 230 | | 0.56 | | 0.14 | U | 0.15 | U | 0.15 | U | 0.057 | J | 0.14 | U | 0.14 | U |
| Benzo(b)fluoranthene | 1 | 1 | 280 | | 0.68 | | 0.03 | J | 0.11 | U | 0.11 | U | 0.061 | J | 0.11 | U | 0.11 | U |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 100 | | 0.21 | | 0.11 | U | 0.11 | U | 0.11 | U | 0.12 | U | 0.11 | U | 0.11 | U |
| Chrysene | 3.9 | 1 | 240 | | 0.58 | | 0.019 | J | 0.11 | U | 0.11 | U | 0.025 | J | 0.11 | U | 0.11 | U |
| Acenaphthylene | 100 | 100 | 130 | | 0.24 | | 0.14 | U | 0.15 | U | 0.15 | U | 0.16 | U | 0.14 | U | 0.14 | U |
| Anthracene | 100 | 100 | 160 | | 0.38 | | 0.11 | U | 0.11 | U | 0.11 | U | 0.12 | U | 0.11 | U | 0.11 | U |
| Benzo(ghi)perylene | 100 | 100 | 120 | | 0.31 | | 0.072 | J | 0.15 | U | 0.15 | U | 0.09 | J | 0.14 | U | 0.14 | U |
| Fluorene | 100 | 30 | 160 | | 0.32 | | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U | 0.18 | U | 0.18 | U |
| Phenanthrene | 100 | 100 | 800 | D | 1.6 | | 0.032 | J | 0.11 | U | 0.11 | U | 0.12 | U | 0.11 | U | 0.022 | J |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 37 | | 0.092 | J | 0.11 | U | 0.11 | U | 0.11 | U | 0.12 | U | 0.11 | U | 0.11 | U |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 140 | | 0.35 | | 0.034 | J | 0.15 | U | 0.15 | U | 0.079 | J | 0.14 | U | 0.14 | U |
| Pyrene | 100 | 100 | 590 | D | 1.2 | | 0.034 | J | 0.11 | U | 0.11 | U | 0.12 | U | 0.11 | U | 0.11 | U |
| Biphenyl | | | 22 | J | 0.41 | U | 0.41 | U | 0.42 | U | 0.43 | U | 0.44 | U | 0.41 | U | 0.42 | U |
| Dibenzofuran | 59 | 7 | 100 | | 0.21 | | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U | 0.18 | U | 0.18 | U |
| 2-Methylnaphthalene | | | 89 | | 0.17 | J | 0.22 | U | 0.22 | U | 0.23 | U | 0.23 | U | 0.22 | U | 0.22 | U |
| Acetophenone | | | 10 | U | 0.18 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U | 0.18 | U | 0.18 | U |
| 2,4-Dimethylphenol | | | 18 | | 0.18 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U | 0.18 | U | 0.18 | U |
| Pentachlorophenol | 6.7 | 0.8 | 8.4 | U | 0.14 | U | 0.14 | U | 0.15 | U | 0.15 | U | 0.16 | U | 0.14 | U | 0.14 | U |
| Phenol | 100 | 0.33 | 31 | | 0.059 | J | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U | 0.18 | U | 0.18 | U |
| 2-Methylphenol | 100 | 0.33 | 16 | | 0.18 | U | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U | 0.18 | U | 0.18 | U |
| 3-Methylphenol/4-Methylphenol | 100 | 0.33 | 44 | | 0.071 | J | 0.26 | U | 0.26 | U | 0.27 | U | 0.28 | U | 0.26 | U | 0.26 | U |
| Carbazole | | | 91 | | 0.2 | | 0.18 | U | 0.18 | U | 0.19 | U | 0.19 | U | 0.18 | U | 0.18 | U |

Notes:

All units are in mg/Kg

Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs

Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs

Q is the qualifier column, where:

U=analyte was not detected at the reported detection limit for the sample

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

D=concentration of analyte was quantified from diluted analysis

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# Table V: Parameters Detected in Subsurface Soil Samples, SB-1 through SB-4 (continued)

| LOCATION | | | SB-1A | | SB-1B | | SB-2A | | SB-2B | | SB-3A | | SB-3B | | SB-4A | | SB-4B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (ft.) | | | 1-3 | | 12-14 | | 4-6 | | 13-15 | | 1-3 | | 11-13 | | 5-7 | | 13-15 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Total Metals | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | | | 5870 | | 3020 | | 5710 | | 3130 | | 6850 | | 5370 | | 12500 | | 6720 | |
| Antimony, Total | | | 0.55 | J | 4.52 | U | 4.12 | U | 4.3 | U | 0.582 | J | 4.24 | U | 4.78 | U | 4.32 | U |
| Arsenic, Total | 16 | 13 | 3.69 | | 2.35 | | 1.1 | | 2.56 | | 4.82 | | 2.11 | | 2.21 | | 1.82 | |
| Barium, Total | 400 | 350 | 61.5 | | 25.8 | | 30.9 | | 21 | | 97.5 | | 42.2 | | 58.4 | | 45.9 | |
| Beryllium, Total | 72 | 7.2 | 0.305 | J | 0.443 | J | 0.445 | | 0.215 | J | 0.373 | J | 0.356 | J | 0.516 | | 0.311 | J |
| Cadmium, Total | 4.3 | 2.5 | 0.643 | J | 0.271 | J | 0.503 | J | 0.258 | J | 0.512 | J | 0.441 | J | 0.545 | J | 0.441 | J |
| Calcium, Total | | | 17900 | | 1360 | | 506 | | 2650 | | 1700 | | 963 | | 971 | | 967 | |
| Chromium, Total | | | 13.9 | | 9.93 | | 13.1 | | 30.5 | | 16.9 | | 14 | | 24.5 | | 20.5 | |
| Cobalt, Total | | | 5.22 | | 4.94 | | 5 | | 3.34 | | 5.59 | | 7.68 | | 10.6 | | 7.11 | |
| Copper, Total | 270 | 50 | 53.5 | | 18.1 | | 11.4 | | 12.6 | | 33.5 | | 16.3 | | 21.9 | | 18.9 | |
| Iron, Total | | | 16400 | | 10200 | | 20900 | | 11200 | | 15200 | | 17600 | | 22900 | | 18400 | |
| Lead, Total | 400 | 63 | 127 | | 26.1 | | 4.34 | | 3.82 | J | 180 | | 6.01 | | 7.55 | | 5.47 | |
| Magnesium, Total | | | 3730 | | 1390 | | 2220 | | 1590 | | 1900 | | 1810 | | 3550 | | 2690 | |
| Manganese, Total | 2000 | 1600 | 287 | | 276 | | 574 | | 180 | | 508 | | 653 | | 616 | | 297 | |
| Mercury, Total | 0.81 | 0.18 | 2.28 | | 0.072 | U | 0.042 | J | 0.069 | U | 1.25 | | 0.069 | U | 0.08 | U | 0.022 | J |
| Nickel, Total | 310 | 30 | 11.9 | | 8.04 | | 11.5 | | 8.01 | | 10.5 | | 12.1 | | 16 | | 13.8 | |
| Potassium, Total | | | 832 | | 592 | | 880 | | 687 | | 747 | | 1280 | | 1940 | | 1490 | |
| Selenium, Total | 180 | 3.9 | 1.69 | U | 1.81 | U | 1.65 | U | 1.72 | U | 1.74 | U | 1.69 | U | 1.91 | U | 1.73 | U |
| Silver, Total | 180 | 2 | 0.846 | U | 0.904 | U | 0.824 | U | 0.86 | U | 0.868 | U | 0.847 | U | 0.956 | U | 0.864 | U |
| Sodium, Total | | | 142 | J | 101 | J | 90.4 | J | 115 | J | 67.3 | J | 88.5 | J | 71.9 | J | 96.6 | J |
| Thallium, Total | | | 1.69 | U | 1.81 | U | 1.65 | U | 1.72 | U | 1.74 | U | 1.69 | U | 1.91 | U | 1.73 | U |
| Vanadium, Total | | | 18.1 | | 14.8 | | 18.6 | | 13.9 | | 20.4 | | 24.8 | | 36.8 | | 25.1 | |
| Zinc, Total | 10000 | 109 | 103 | | 123 | | 40.1 | | 16.6 | | 88 | | 33 | | 45.9 | | 26 | |

Notes:
All units are in mg/Kg
Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs
Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs
Q is the qualifier column, where:
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J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

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# Table V: Parameters Detected in Subsurface Soil Samples, SB-5 through SB-8 (continued)

| ` | | | SB-5A | | SB-5B | | SB-6A | | SB-6B | | SB-7A | | SB-7B | | SB-8A | | SB-8B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (ft.) | | | 2-4 | | 12-14 | | 4-6 | | 13-15 | | 4-6 | | 12-14 | | 8-10 | | 13-15 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Total Metals | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | | | 4260 | | 6280 | | 4480 | | 3880 | | 7590 | | 4840 | | 6220 | | 4270 | |
| Antimony, Total | | | 2.2 | J | 4.39 | U | 4.22 | U | 4.21 | U | 4.44 | U | 4.57 | U | 4.28 | U | 4.47 | U |
| Arsenic, Total | 16 | 13 | 8.97 | | 1.84 | | 2.31 | | 1.76 | | 1.77 | | 1.67 | | 1.76 | | 1.53 | |
| Barium, Total | 400 | 350 | 992 | | 45.1 | | 23.6 | | 26.3 | | 38.2 | | 47.4 | | 55 | | 34.3 | |
| Beryllium, Total | 72 | 7.2 | 0.208 | J | 0.386 | J | 0.27 | J | 0.236 | J | 0.346 | J | 0.284 | J | 0.394 | J | 0.384 | J |
| Cadmium, Total | 4.3 | 2.5 | 1.44 | | 0.492 | J | 0.396 | J | 0.312 | J | 0.418 | J | 0.32 | J | 0.428 | J | 0.474 | J |
| Calcium, Total | | | 13600 | | 2000 | | 1640 | | 628 | | 654 | | 1040 | | 357 | | 1220 | |
| Chromium, Total | | | 38.1 | | 17.8 | | 12.2 | | 11.7 | | 18 | | 13.7 | | 13 | | 12.2 | |
| Cobalt, Total | | | 4.38 | | 7.65 | | 4.45 | | 4.49 | | 7.49 | | 6.38 | | 6.43 | | 6.3 | |
| Copper, Total | 270 | 50 | 107 | | 17.2 | | 12.9 | | 12.6 | | 14.3 | | 21.9 | | 15.7 | | 16.4 | |
| Iron, Total | | | 12200 | | 20400 | | 14400 | | 13200 | | 17500 | | 12500 | | 18200 | | 13400 | |
| Lead, Total | 400 | 63 | 1040 | | 8.07 | | 15.1 | | 3.22 | J | 6.06 | | 7.67 | | 5.42 | | 11.7 | |
| Magnesium, Total | | | 2370 | | 2070 | | 1780 | | 1420 | | 2090 | | 2250 | | 1650 | | 2480 | |
| Manganese, Total | 2000 | 1600 | 158 | | 330 | | 171 | | 207 | | 401 | | 224 | | 198 | | 909 | |
| Mercury, Total | 0.81 | 0.18 | 2.06 | | 0.02 | J | 0.141 | | 0.069 | U | 0.023 | J | 0.018 | J | 0.068 | U | 0.071 | U |
| Nickel, Total | 310 | 30 | 13.4 | | 11.6 | | 9.93 | | 8.87 | | 13.4 | | 12.8 | | 10.3 | | 10.6 | |
| Potassium, Total | | | 482 | | 1310 | | 626 | | 534 | | 1310 | | 1580 | | 1170 | | 917 | |
| Selenium, Total | 180 | 3.9 | 1.99 | U | 1.76 | U | 1.69 | U | 1.68 | U | 1.78 | U | 1.83 | U | 1.71 | U | 1.79 | U |
| Silver, Total | 180 | 2 | 0.467 | J | 0.878 | U | 0.844 | U | 0.842 | U | 0.889 | U | 0.915 | U | 0.856 | U | 0.894 | U |
| Sodium, Total | | | 148 | J | 79.8 | J | 132 | J | 97.8 | J | 81.5 | J | 124 | J | 61.2 | J | 126 | J |
| Thallium, Total | | | 1.99 | U | 1.76 | U | 1.69 | U | 1.68 | U | 1.78 | U | 1.83 | U | 1.71 | U | 0.474 | J |
| Vanadium, Total | | | 22.1 | | 28.8 | | 15.9 | | 17.4 | | 26 | | 23 | | 23.8 | | 25.3 | |
| Zinc, Total | 10000 | 109 | 1020 | | 36.1 | | 38.7 | | 16.1 | | 28.3 | | 26 | | 30.4 | | 24.8 | |

Notes:

All units are in mg/Kg

Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs

Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs

Q is the qualifier column, where:

U=analyte was not detected at the reported detection limit for the sample

J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

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# Table V: Parameters Detected in Subsurface Soil Samples, SB-1 through SB-4 (continued)

| LOCATION | | | SB-1A | | SB-1B | | SB-2A | | SB-2B | | SB-3A | | SB-3B | | SB-4A | | SB-4B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (ft.) | | | 1-3 | | 12-14 | | 4-6 | | 13-15 | | 1-3 | | 11-13 | | 5-7 | | 13-15 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Volatile Organics by 8260/5035 | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 100 | 0.05 | 1.3 | U | 0.024 | U | 0.014 | U | 0.014 | U | 0.95 | U | 0.019 | U | 0.013 | U | 0.022 | U |
| 1,1-Dichloroethane | 26 | 0.27 | 0.19 | U | 0.0036 | U | 0.002 | U | 0.0021 | U | 0.14 | U | 0.0028 | U | 0.0019 | U | 0.0034 | U |
| Chloroform | 49 | 0.37 | 0.19 | U | 0.0036 | U | 0.002 | U | 0.0021 | U | 0.14 | U | 0.0028 | U | 0.0019 | U | 0.0034 | U |
| Carbon tetrachloride | 2.4 | 0.76 | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| 1,2-Dichloropropane | | | 0.45 | U | 0.0083 | U | 0.0048 | U | 0.0049 | U | 0.33 | U | 0.0066 | U | 0.0044 | U | 0.0078 | U |
| Dibromochloromethane | | | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| 1,1,2-Trichloroethane | | | 0.19 | U | 0.0036 | U | 0.002 | U | 0.0021 | U | 0.14 | U | 0.0028 | U | 0.0019 | U | 0.0034 | U |
| Tetrachloroethene | 19 | 1.3 | 8.5 | | 0.0024 | U | 0.0013 | J | 0.0067 | | 2.5 | | 0.0079 | | 0.0025 | | 0.045 | |
| Chlorobenzene | 100 | 1.1 | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| Trichlorofluoromethane | | | 0.64 | U | 0.012 | U | 0.0068 | U | 0.007 | U | 0.48 | U | 0.0094 | U | 0.0063 | U | 0.011 | U |
| 1,2-Dichloroethane | 3.1 | 0.02 | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| 1,1,1-Trichloroethane | 100 | 0.68 | 0.048 | J | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| Bromodichloromethane | | | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| trans-1,3-Dichloropropene | | | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| cis-1,3-Dichloropropene | | | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| 1,3-Dichloropropene, Total | | | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| 1,1-Dichloropropene | | | 0.64 | U | 0.012 | U | 0.0068 | U | 0.007 | U | 0.48 | U | 0.0094 | U | 0.0063 | U | 0.011 | U |
| Bromoform | | | 0.51 | U | 0.0095 | U | 0.0055 | U | 0.0056 | U | 0.38 | U | 0.0075 | U | 0.0051 | U | 0.0089 | U |
| 1,1,2,2-Tetrachloroethane | | | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| Benzene | 4.8 | 0.06 | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| Toluene | 100 | 0.7 | 0.19 | U | 0.0036 | U | 0.00035 | J | 0.0021 | U | 0.14 | U | 0.00049 | J | 0.00028 | J | 0.00051 | J |
| Ethylbenzene | 41 | 1 | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| Chloromethane | | | 0.64 | U | 0.012 | U | 0.0068 | U | 0.007 | U | 0.48 | U | 0.0094 | U | 0.0063 | U | 0.011 | U |
| Bromomethane | | | 0.26 | U | 0.0048 | U | 0.0027 | U | 0.0028 | U | 0.19 | U | 0.0038 | U | 0.0025 | U | 0.0045 | U |
| Chloroethane | | | 0.26 | U | 0.0048 | U | 0.0027 | U | 0.0028 | U | 0.19 | U | 0.0038 | U | 0.0025 | U | 0.0045 | U |
| 1,4-Dichlorobenzene | 13 | 1.8 | 0.64 | U | 0.012 | U | 0.0068 | U | 0.007 | U | 0.48 | U | 0.0094 | U | 0.0063 | U | 0.011 | U |
| o-Xylene | | | 0.26 | U | 0.0048 | U | 0.0027 | U | 0.0028 | U | 0.19 | U | 0.0038 | U | 0.0025 | U | 0.0045 | U |
| Xylenes, Total | 100 | 0.26 | 0.26 | U | 0.0048 | U | 0.0027 | U | 0.0028 | U | 0.19 | U | 0.0038 | U | 0.0025 | U | 0.0045 | U |
| Vinyl acetate | | | 1.3 | U | 0.024 | U | 0.014 | U | 0.014 | U | 0.95 | U | 0.019 | U | 0.013 | U | 0.022 | U |
| 4-Methyl-2-pentanone | | | 1.3 | U | 0.024 | U | 0.014 | U | 0.014 | U | 0.95 | U | 0.019 | U | 0.013 | U | 0.022 | U |
| Hexachlorobutadiene | | | 0.64 | U | 0.012 | U | 0.0068 | U | 0.007 | U | 0.48 | U | 0.0094 | U | 0.0063 | U | 0.011 | U |
| Isopropylbenzene | | | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| n-Propylbenzene | 100 | 3.9 | 0.13 | U | 0.0024 | U | 0.0014 | U | 0.0014 | U | 0.095 | U | 0.0019 | U | 0.0013 | U | 0.0022 | U |
| 1,2,3-Trichlorobenzene | | | 0.64 | U | 0.012 | U | 0.0068 | U | 0.007 | U | 0.48 | U | 0.0094 | U | 0.0063 | U | 0.011 | U |
| 1,2,4-Trichlorobenzene | | | 0.64 | U | 0.012 | U | 0.0068 | U | 0.007 | U | 0.48 | U | 0.0094 | U | 0.0063 | U | 0.011 | U |
| 1,2,4-Trimethylbenzene | 52 | 3.6 | 0.64 | U | 0.012 | U | 0.0068 | U | 0.007 | U | 0.48 | U | 0.0094 | U | 0.0063 | U | 0.011 | U |

Notes:
All units are in mg/Kg
Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs
Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs
Q is the qualifier column, where:
U=analyte was not detected at the reported detection limit for the sample
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

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# Table V: Parameters Detected in Subsurface Soil Samples, SB-5 through SB-8 (continued)

| LOCATION | | | SB-5A | | SB-5B | | SB-6A | | SB-6B | | SB-7A | | SB-7B | | SB-8A | | SB-8B | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | | 6/4/2018 | | 6/4/2018 | | 6/5/2018 | | 6/5/2018 | |
| SAMPLE TYPE | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| SAMPLE DEPTH (ft.) | | | 2-4 | | 12-14 | | 4-6 | | 13-15 | | 4-6 | | 12-14 | | 8-10 | | 13-15 | |
| | NY-RESRR | NY-UNRES | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q | Results | Q |
| Volatile Organics by 8260/5035 | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 100 | 0.05 | 7.3 | U | 0.012 | U | 0.013 | U | 0.013 | U | 0.012 | U | 0.013 | U | 0.018 | U | 0.015 | U |
| 1,1-Dichloroethane | 26 | 0.27 | 1.1 | U | 0.0019 | U | 0.0019 | U | 0.002 | U | 0.00041 | J | 0.00058 | J | 0.0013 | J | 0.016 | |
| Chloroform | 49 | 0.37 | 1.1 | U | 0.0019 | U | 0.0019 | U | 0.002 | U | 0.0018 | U | 0.002 | U | 0.0027 | U | 0.0023 | U |
| Carbon tetrachloride | 2.4 | 0.76 | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0015 | U |
| 1,2-Dichloropropane | | | 2.6 | U | 0.0044 | U | 0.0045 | U | 0.0047 | U | 0.0041 | U | 0.0046 | U | 0.0064 | U | 0.0053 | U |
| Dibromochloromethane | | | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0015 | U |
| 1,1,2-Trichloroethane | | | 1.1 | U | 0.0019 | U | 0.0019 | U | 0.002 | U | 0.0018 | U | 0.002 | U | 0.0027 | U | 0.0023 | U |
| Tetrachloroethene | 19 | 1.3 | 99 | | 0.0029 | | 0.0012 | J | 0.0084 | | 0.034 | | 0.11 | | 0.001 | J | 0.0015 | U |
| Chlorobenzene | 100 | 1.1 | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0015 | U |
| Trichlorofluoromethane | | | 3.6 | U | 0.0063 | U | 0.0064 | U | 0.0067 | U | 0.0059 | U | 0.0066 | U | 0.0091 | U | 0.0076 | U |
| 1,2-Dichloroethane | 3.1 | 0.02 | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0015 | U |
| 1,1,1-Trichloroethane | 100 | 0.68 | 3 | | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.006 | | 0.0047 | | 0.0073 | | 0.19 | |
| Bromodichloromethane | | | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0015 | U |
| trans-1,3-Dichloropropene | | | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0015 | U |
| cis-1,3-Dichloropropene | | | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0015 | U |
| 1,3-Dichloropropene, Total | | | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0015 | U |
| 1,1-Dichloropropene | | | 3.6 | U | 0.0063 | U | 0.0064 | U | 0.0067 | U | 0.0059 | U | 0.0066 | U | 0.0091 | U | 0.0076 | U |
| Bromoform | | | 2.9 | U | 0.005 | U | 0.0052 | U | 0.0054 | U | 0.0047 | U | 0.0053 | U | 0.0073 | U | 0.0061 | U |
| 1,1,2,2-Tetrachloroethane | | | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0015 | U |
| Benzene | 4.8 | 0.06 | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0015 | U |
| Toluene | 100 | 0.7 | 1.1 | U | 0.0019 | U | 0.0019 | U | 0.002 | U | 0.0018 | U | 0.002 | U | 0.00052 | J | 0.0021 | J |
| Ethylbenzene | 41 | 1 | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0026 | |
| Chloromethane | | | 3.6 | U | 0.0063 | U | 0.0064 | U | 0.0067 | U | 0.0059 | U | 0.0066 | U | 0.0091 | U | 0.0076 | U |
| Bromomethane | | | 1.5 | U | 0.0025 | U | 0.0026 | U | 0.0027 | U | 0.0024 | U | 0.0026 | U | 0.0036 | U | 0.003 | U |
| Chloroethane | | | 1.5 | U | 0.0025 | U | 0.0026 | U | 0.0027 | U | 0.0024 | U | 0.0026 | U | 0.0036 | U | 0.003 | U |
| 1,4-Dichlorobenzene | 13 | 1.8 | 3.6 | U | 0.0063 | U | 0.0064 | U | 0.0067 | U | 0.0059 | U | 0.0066 | U | 0.0091 | U | 0.0076 | U |
| o-Xylene | | | 1.5 | U | 0.0025 | U | 0.0026 | U | 0.0027 | U | 0.0024 | U | 0.0026 | U | 0.0036 | U | 0.0023 | J |
| Xylenes, Total | 100 | 0.26 | 1.5 | U | 0.0025 | U | 0.0026 | U | 0.0027 | U | 0.0024 | U | 0.0026 | U | 0.0036 | U | 0.0037 | J |
| Vinyl acetate | | | 7.3 | U | 0.012 | U | 0.013 | U | 0.013 | U | 0.012 | U | 0.013 | U | 0.018 | U | 0.015 | U |
| 4-Methyl-2-pentanone | | | 7.3 | U | 0.012 | U | 0.013 | U | 0.013 | U | 0.012 | U | 0.013 | U | 0.018 | U | 0.015 | U |
| 1,2-Dibromo-3-chloropropane | | | 3.6 | U | 0.0063 | U | 0.0064 | U | 0.0067 | U | 0.0059 | U | 0.0066 | U | 0.0091 | U | 0.0076 | U |
| Hexachlorobutadiene | | | 3.6 | U | 0.0063 | U | 0.0064 | U | 0.0067 | U | 0.0059 | U | 0.0066 | U | 0.0091 | U | 0.0076 | U |
| Isopropylbenzene | | | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.00086 | J |
| n-Propylbenzene | 100 | 3.9 | 0.73 | U | 0.0012 | U | 0.0013 | U | 0.0013 | U | 0.0012 | U | 0.0013 | U | 0.0018 | U | 0.0034 | |
| 1,2,3-Trichlorobenzene | | | 3.6 | U | 0.0063 | U | 0.0064 | U | 0.0067 | U | 0.0059 | U | 0.0066 | U | 0.0091 | U | 0.0076 | U |
| 1,2,4-Trichlorobenzene | | | 3.6 | U | 0.0063 | U | 0.0064 | U | 0.0067 | U | 0.0059 | U | 0.0066 | U | 0.0091 | U | 0.0076 | U |
| 1,2,4-Trimethylbenzene | 52 | 3.6 | 3.6 | U | 0.0063 | U | 0.0064 | U | 0.0067 | U | 0.0059 | U | 0.0066 | U | 0.0091 | U | 0.006 | J |

Notes:
All units are in mg/Kg
Yellow=exceeds the 6 NYCRR Part 375 Unrestricted Use SCOs
Blue=exceeds the 6 NYCRR Part 375 Restricted Residential Use SCOs
Q is the qualifier column, where:
U=analyte was not detected at the reported detection limit for the sample
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

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## 4.2 STRATIGRAPHIC SUMMARY

Surface soils throughout the Site were generally coarse grained and well graded sands that are tan to brown in color. Areas characteristic of fill material (bricks, concrete pieces, etc.) were present at the surface of the Site, likely resulting from the recent demolition of a building in the southern portion of the Site. Shallow subsurface soils throughout the site were generally silt and fine grained, well sorted sand that are tan to brown in color. A clay layer with high plasticity was observed in the southern portion of the Site, at approximate depths of 5 to 10 feet bgs; this unit is underlain by a 1-foot thick, coarse grained poorly graded gravel layer, which is in turn underlain by coarse grained sand and clay unit to the terminal depths of the borings at 20 feet bgs.

Groundwater was identified within the sand and clay unit at approximate depths of 14 to 15 feet below ground surface. After drilling had been completed and the monitoring wells installed, groundwater was measured between 10 to 12 feet bgs in the wells, indicating that the groundwater at the Site is semi-confined.

# 5.0 PERMANENT MONITORING WELL INSTALLATION, SURVEYING, AND SAMPLING

To assess groundwater quality beneath the Site, permanent monitoring wells (MW-A, MW-B, and MW-C) were installed in three (3) of the soil borings (SB-1, SB-4, and SB-7, respectively). At these locations, after completion of soil sampling, a 10-foot section of 2-inch diameter PVC screen was installed across the water table, with at least five (5) feet of screen installed below the water table. An appropriately-sized filter pack of clean sand was placed around the screen and casing to at least three (3) feet above the top of the screen. A bentonite seal was placed above the filter pack. Each well was completed at ground surface with a locking cap and flush-mounted manhole set in concrete. Please refer to Appendix D for well construction diagrams.

Following installation, each well was developed using a peristaltic pump and dedicated non-Teflon tubing. Purge water was drummed for subsequent characterization and proper disposal.

The elevation of the top of each well was surveyed relative to a common, random datum. Depth to groundwater measurements were used in conjunction with the survey data to calculate groundwater elevations, which have been used to calculate groundwater elevation contours and determine the Site-specific groundwater flow direction (Figure 7.0). Groundwater was encountered in the borings at approximately 14 feet below ground surface (i.e., below the clayey zone), but was measured at a higher elevation in the monitoring wells, indicating that the clayey zone is acting to confine the groundwater beneath the Site. Groundwater flow beneath the Site was determined to flow in a northwesterly direction towards Wallabout Channel. See Table VI below for calculated groundwater elevations.

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**Table VI: Groundwater Elevation Data – June 5, 2018**

| Well | Measuring Point Elevation* | Depth to Water** | Groundwater Elevation* |
|---|---|---|---|
| MW-A | 44.19 | 11.57 | 32.62 |
| MW-B | 44.96 | 11.70 | 33.26 |
| MW-C | 44.12 | 10.60 | 33.52 |

*Feet relative to a common, random datum

**Feet below measuring point

The wells MW-B and MW-C were allowed to equilibrate overnight before purging and sampling. The connection to the surrounding aquifer at MW-A was determined to be inadequate based on the inability to maintain a constant flow of water from the well during purging, and as a result, MW-A had to be re-installed, and was sampled immediately after development was completed. The wells were sampled using low-flow procedures with a peristaltic pump and dedicated non-Teflon tubing. Due to equipment failure, only turbidity measurements could be collected during well purging; these readings are summarized in Table VII.

**Table VII: Measurements Collected During Groundwater Sampling**

| Monitoring Well # | ***MW-A*** | | | ***MW-B*** | | | ***MW-C*** | | |
|---|---|---|---|---|---|---|---|---|---|
| Test Number | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| Date | 6/4/18 | | | 6/4/180 | | | 6/4/18 | | |
| Depth To Water | | | | 11.95 | | | 10.6 | | |
| Depth To Bottom | | | | 19.8 | | | 19.3 | | |
| Total Water | | | | 7.85 | | | 8.7 | | |
| Turbidity | N/A | N/A | N/A | 49.8 | 26.7 | 18.8 | 21.3 | 43.9 | 30 |
| Monitoring Well # | ***MW-A*** | | | ***MW-B*** | | | ***MW-C*** | | |
| Test Number | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| Date | 6/5/18 | | | 6/5/18 | | | 6/5/18 | | |
| Depth To Water | 11.57 | | | 11.695 | | | 10.6 | | |
| Depth To Bottom | 20.245 | | | 19.695 | | | 19.275 | | |
| Total Water | 8.675 | | | 8 | | | 8.675 | | |
| Turbidity | 250 | | | 8.31 | 4.57 | 41.4 | 29.1 | 19.2 | 12.3 |

Sampled groundwater was transferred directly from the peristaltic pump tubing into laboratory-supplied containers, which were immediately placed into an iced cooler for delivery by laboratory courier to Alpha under chain of custody procedures.

In accordance with the Waste Management Plan in the Work Plan, development and purge water was containerized for subsequent characterization and proper disposal. Based on groundwater sample results, containerized water may be disposed on-Site or transported for off-Site disposal.

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## 5.1 LABORATORY ANALYSIS – GROUNDWATER

The groundwater samples were analyzed for 6 NYCRR Part 375 VOCs, SVOCs, pesticides, herbicides, PCBs, metals (total and dissolved), hexavalent chromium, and cyanide. In addition, the sample from each well was also analyzed for 1,4-dioxane and PFAS/PFOA. Sampling for PFOA/PFAS was conducted using the NYSDEC procedures included in the Work Plan. Parameters detected in the groundwater samples are summarized in Table VIII. The laboratory data package is included in Appendix C.

Laboratory analysis of the samples showed the following:

- Several dissolved metals were detected in MW-A, MW-B, and MW-C at concentrations above the New York State Class GA Groundwater Guidance Values.
- The SVOCs Benzo(a)anthracene and Benzo(b)fluorathene were detected in MW-A and MW-C at concentrations above the New York State Class GA Groundwater Guidance Values.
- Several metals were detected in MW-A, MW-B, and MW-C at concentrations above the New York State Class GA Groundwater Guidance Values.
- Several VOCs were detected in MW-A, MW-B and MW-C at concentrations above the New York State Class GA Groundwater Guidance Values.

The groundwater sample results that exceeded the New York State Class GA groundwater standards and guidance values are summarized on Figure 8.0.

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# Table VIII: Parameters Detected in Groundwater Samples

| LOCATION | | MW-A | | MW-B | | MW-C | |
|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | |
| LAB SAMPLE ID | | L1820814-19 | | L1820814-20 | | L1820814-21 | |
| SAMPLE TYPE | | WATER | | WATER | | WATER | |
| SAMPLE DEPTH (ft.) | | | | | | | |
| | NY-AWQS | Results | Q | Results | Q | Results | Q |
| 1,4 Dioxane by 8270D-SIM | | | | | | | |
| 1,4-Dioxane | | 0.144 | U | 2.34 | | 17 | |
| Chlorinated Herbicides by GC | | | | | | | |
| Dissolved Metals | | | | | | | |
| Aluminum, Dissolved | | 10 | U | 10 | U | 10 | U |
| Antimony, Dissolved | 3 | 4 | U | 3.75 | J | 4 | U |
| Barium, Dissolved | 1000 | 125.8 | | 125.1 | | 119.8 | |
| Cadmium, Dissolved | 5 | 0.14 | J | 0.42 | | 0.15 | J |
| Calcium, Dissolved | | 48200 | | 95600 | | 91900 | |
| Chromium, Dissolved | 50 | 1 | U | 1 | U | 0.22 | J |
| Cobalt, Dissolved | | 3.55 | | 7.18 | | 3.44 | |
| Copper, Dissolved | 200 | 0.75 | J | 0.47 | J | 0.72 | J |
| Iron, Dissolved | 300 | 50 | U | 252 | | 19.9 | J |
| Magnesium, Dissolved | 35000 | 9880 | | 16500 | | 22600 | |
| Manganese, Dissolved | 300 | 4710 | | 7088 | | 908.2 | |
| Nickel, Dissolved | 100 | 4.26 | | 19.12 | | 7.24 | |
| Potassium, Dissolved | | 6750 | | 8870 | | 8560 | |
| Selenium, Dissolved | 10 | 5 | U | 5 | U | 4.26 | J |
| Silver, Dissolved | 50 | 0.4 | U | 0.3 | J | 0.4 | U |
| Sodium, Dissolved | 20000 | 68700 | | 33300 | | 37200 | |
| Zinc, Dissolved | 2000 | 3.78 | J | 41.18 | | 10 | U |
| General Chemistry | | | | | | | |
| Cyanide, Total | 200 | 5 | U | 2 | J | 29 | |
| Organochlorine Pesticides by GC | | | | | | | |
| Perfluorinated Alkyl Acids by Isotope Dilution | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | | 0.00913 | | 0.013 | | 0.0152 | |
| Perfluoropentanoic Acid (PFPeA) | | 0.012 | | 0.0156 | | 0.035 | |
| Perfluorobutanesulfonic Acid (PFBS) | | 0.0025 | | 0.00395 | | 0.00573 | |
| Perfluorohexanoic Acid (PFHxA) | | 0.00914 | | 0.014 | | 0.0253 | |
| Perfluoroheptanoic Acid (PFHpA) | | 0.00574 | | 0.0102 | | 0.0169 | |
| Perfluorohexanesulfonic Acid (PFHxS) | | 0.00181 | | 0.00303 | | 0.00392 | |
| Perfluorooctanoic Acid (PFOA) | | 0.029 | | 0.0579 | | 0.0692 | |
| Perfluoroheptanesulfonic Acid (PFHpS) | | 0.000725 | J | 0.000878 | J | 0.00185 | U |
| Perfluorononanoic Acid (PFNA) | | 0.00215 | | 0.00436 | | 0.00462 | |
| Perfluorooctanesulfonic Acid (PFOS) | | 0.0214 | | 0.0444 | | 0.0184 | |
| Perfluorodecanoic Acid (PFDA) | | 0.00398 | | 0.000846 | J | 0.00127 | J |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | | 0.00116 | J | 0.00178 | U | 0.00185 | U |

Notes:
All units are in µg/L
Yellow=exceeds the New York State Class GA Standards and Guidance Values
Q is the qualifier column, where:
U=analyte was not detected at the reported detection limit for the sample
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

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## Table VIII: Parameters Detected in Groundwater Samples (continued)

| LOCATION | | MW-A | | MW-B | | MW-C | |
|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | |
| LAB SAMPLE ID | | L1820814-19 | | L1820814-20 | | L1820814-21 | |
| SAMPLE TYPE | | WATER | | WATER | | WATER | |
| | NY-AWQS | Results | Q | Results | Q | Results | Q |
| Semivolatile Organics by GC/MS-SIM | | | | | | | |
| Acenaphthene | 20 | 0.29 | | 0.1 | U | 0.1 | U |
| Fluoranthene | 50 | 0.1 | J | 0.1 | U | 0.1 | U |
| Naphthalene | 10 | 1.8 | | 0.22 | | 0.1 | U |
| Benzo(a)anthracene | 0.002 | 0.02 | J | 0.1 | U | 0.02 | J |
| Benzo(a)pyrene | 0 | 0.1 | U | 0.1 | U | 0.1 | U |
| Benzo(b)fluoranthene | 0.002 | 0.02 | J | 0.1 | U | 0.02 | J |
| Anthracene | 50 | 0.06 | J | 0.1 | U | 0.1 | U |
| Benzo(ghi)perylene | | 0.1 | U | 0.1 | U | 0.1 | U |
| Fluorene | 50 | 0.13 | | 0.1 | U | 0.1 | U |
| Phenanthrene | 50 | 0.4 | | 0.1 | U | 0.02 | J |
| Indeno(1,2,3-cd)pyrene | 0.002 | 0.1 | U | 0.1 | U | 0.1 | U |
| Pyrene | 50 | 0.08 | J | 0.1 | U | 0.1 | U |
| 2-Methylnaphthalene | | 0.31 | | 0.1 | U | 0.1 | U |
| Total Metals | | | | | | | |
| Aluminum, Total | | 2940 | | 132 | | 321 | |
| Antimony, Total | 3 | 2.2 | J | 3.32 | J | 0.77 | J |
| Arsenic, Total | 25 | 2.5 | | 0.29 | J | 0.38 | J |
| Barium, Total | 1000 | 164.9 | | 123.3 | | 126.5 | |
| Beryllium, Total | 3 | 0.36 | J | 0.5 | U | 0.5 | U |
| Cadmium, Total | 5 | 0.31 | | 0.38 | | 0.16 | J |
| Calcium, Total | | 45600 | | 88900 | | 92700 | |
| Chromium, Total | 50 | 7.62 | | 0.77 | J | 1.14 | |
| Cobalt, Total | | 7.75 | | 6.54 | | 3.6 | |
| Copper, Total | 200 | 14.78 | | 1.18 | | 2.94 | |
| Iron, Total | 300 | 8840 | | 1260 | | 712 | |
| Lead, Total | 25 | 12.28 | | 0.7 | J | 8.38 | |
| Magnesium, Total | 35000 | 10600 | | 15200 | | 22900 | |
| Manganese, Total | 300 | 4741 | | 6621 | | 1302 | |
| Mercury, Total | 0.7 | 0.1 | J | 0.2 | U | 0.2 | U |
| Nickel, Total | 100 | 12.11 | | 18.47 | | 7.95 | |
| Potassium, Total | | 7040 | | 8180 | | 8610 | |
| Selenium, Total | 10 | 1.84 | J | 5 | U | 4 | J |
| Silver, Total | 50 | 0.25 | J | 0.18 | J | 0.4 | U |
| Sodium, Total | 20000 | 66100 | | 28700 | | 39100 | |
| Thallium, Total | 0.5 | 0.21 | J | 0.5 | U | 0.5 | U |
| Vanadium, Total | | 10 | | 5 | U | 5 | U |
| Zinc, Total | 2000 | 19.68 | | 37.06 | | 6.58 | J |

Notes:
All units are in µg/L
Yellow=exceeds the New York State Class GA Standards and Guidance Values
Q is the qualifier column, where:
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J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

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**Table VIII: Parameters Detected in Groundwater Samples (continued)**

| LOCATION | | MW-A | | MW-B | | MW-C | |
|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | 6/5/2018 | | 6/5/2018 | | 6/5/2018 | |
| LAB SAMPLE ID | | L1820814-19 | | L1820814-20 | | L1820814-21 | |
| SAMPLE TYPE | | WATER | | WATER | | WATER | |
| | NY-AWQS | Results | Q | Results | Q | Results | Q |
| Volatile Organics by GC/MS | | | | | | | |
| 1,1-Dichloroethane | 5 | 0.83 | J | 18 | | 62 | U |
| Chloroform | 7 | 2.9 | | 12 | U | 62 | U |
| Tetrachloroethene | 5 | 67 | | 610 | | 2400 | |
| 1,1,1-Trichloroethane | 5 | 4.3 | | 110 | | 450 | |
| Vinyl chloride | 2 | 1 | U | 2.3 | J | 25 | U |
| 1,1-Dichloroethene | 5 | 0.42 | J | 7.2 | | 41 | |
| Trichloroethene | 5 | 27 | | 160 | | 350 | |
| cis-1,2-Dichloroethene | 5 | 120 | | 340 | | 280 | |
| 1,2-Dichloroethene, Total | | 120 | | 340 | | 280 | |
| Acetone | 50 | 2 | J | 25 | U | 120 | U |
| Naphthalene | 10 | 2.6 | | 12 | U | 62 | U |

Notes:
All units are in µg/L
Yellow=exceeds the New York State Class GA Standards and Guidance Values
Q is the qualifier column, where:
U=analyte was not detected at the reported detection limit for the sample
J=analyte detected at or above the method detection limit (MDL) but below the reporting limit (RL) – data is estimated

## 6.0 SOIL VAPOR SAMPLING

Three (3) soil vapor samples were collected as part of this investigation . The samples were collected from temporary soil vapor sampling probes installed to a depth of ten (10) feet below ground surface. In accordance with NYSDOH guidance, each temporary soil vapor sampling probe was leak-checked using helium and purged prior to sampling. The samples were collected using evacuated 2.7-liter Summa canisters equipped with regulators set to collect each sample over a 2-hour period. The samples were delivered by laboratory courier to Alpha under chain of custody procedures. As there are currently no buildings at the Site, sub-slab soil vapor and indoor air sampling was not included in the scope of work for this investigation.

## 6.1 LABORATORY ANALYSIS – SOIL VAPOR

The soil vapor samples were analyzed for VOCs using Method TO-15. The analytical results for compounds detected in the soil vapor samples are summarized in Table IX. The laboratory data package is included in Appendix C.

Laboratory analysis of the samples showed the following:

- Several petroleum related and chlorinated VOCs were detected in soil vapor samples SV-1, SV-2, and SV-3, at concentrations up to 3,790 micrograms per cubic meter.

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The soil vapor sample for compounds included in the May 2017 NYSDOH decision matrices A, B, and C are summarized on Figure 9.0.

**Table IX: Parameters Detected in Soil Vapor Samples**

| LOCATION | SV-1 | | SV-2 | | SV-3 | |
|---|---|---|---|---|---|---|
| SAMPLING DATE | 6/4/2018 | | 6/4/2018 | | 6/4/2018 | |
| SAMPLE TYPE | SOIL_VAPOR | | SOIL_VAPOR | | SOIL_VAPOR | |
| SAMPLE DEPTH (ft.) | 10 | | 10 | | 10 | |
| | Results | Q | Results | Q | Results | Q |
| Volatile Organics in Air | | | | | | |
| 1,1,1-Trichloroethane | 731 | | 1170 | | 354 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 277 | | 3790 | | 1290 | |
| 1,1-Dichloroethane | 37.6 | | 22.1 | | 9.15 | |
| 1,1-Dichloroethene | 24.7 | | 98.3 | | 19.3 | |
| 1,2,4-Trimethylbenzene | 19.4 | | 13.5 | | 15.3 | |
| 1,3,5-Trimethylbenzene | 4.87 | | 9.83 | U | 4.92 | U |
| 1,3-Butadiene | 125 | | 45.6 | | 130 | |
| 1,3-Dichlorobenzene | 7.7 | | 12 | U | 6.01 | U |
| 2,2,4-Trimethylpentane | 12.1 | | 11.6 | | 13.5 | |
| 2-Butanone | 26.2 | | 28.8 | | 36.3 | |
| 4-Ethyltoluene | 3.84 | | 9.83 | U | 4.92 | U |
| Acetone | 247 | | 572 | | 803 | |
| Benzene | 5.4 | | 9.14 | | 16.3 | |
| Carbon disulfide | 1.56 | U | 6.23 | U | 8.75 | |
| Carbon tetrachloride | 3.15 | U | 32.3 | | 6.29 | U |
| Chloroethane | 1.48 | | 5.28 | U | 2.64 | U |
| Chloroform | 4.03 | | 35.1 | | 70.8 | |
| Chloromethane | 3.49 | | 4.13 | U | 4.71 | |
| cis-1,2-Dichloroethene | 107 | | 140 | | 245 | |
| Cyclohexane | 4.58 | | 6.88 | U | 6.06 | |
| Ethyl Alcohol | 347 | | 307 | | 416 | |
| Ethylbenzene | 9.34 | | 8.69 | U | 10.1 | |
| Heptane | 4.43 | | 8.73 | | 10.4 | |
| iso-Propyl Alcohol | 6 | | 12.3 | U | 7.08 | |
| Methylene chloride | 8.09 | | 907 | | 28.1 | |
| n-Hexane | 17.9 | | 24.3 | | 37 | |
| o-Xylene | 13.5 | | 11.7 | | 13.6 | |
| p/m-Xylene | 36.7 | | 31.7 | | 38.6 | |
| tert-Butyl Alcohol | 11.1 | | 19.6 | | 16 | |
| Tetrachloroethene | 3.39 | U | 40.6 | | 32 | |
| Tetrahydrofuran | 17.8 | | 14.7 | U | 22.4 | |
| Toluene | 26.8 | | 30.6 | | 40.3 | |
| Trichloroethene | 4.85 | | 1470 | | 343 | |
| Trichlorofluoromethane | 1000 | | 191 | | 1600 | |
| Vinyl chloride | 7.77 | | 5.11 | U | 2.56 | U |

Notes:

All units are in $\mu g/m^3$

Q is the qualifier column, where:

U=analyte was not detected at the reported detection limit for the sample

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## 7.0 QUALITY ASSURANCE/QUALITY CONTROL AND DATA VALIDATION

Quality assurance/quality control ("QA/QC") procedures that were utilized during this program included collection of three (3) blind duplicate samples (two for soil and one for groundwater), two (2) field blank samples (one for soil and one for groundwater), three (3) matrix spike/matrix spike duplicate sample sets (two for soil and one for groundwater), and one (1) trip blank sample. All QA/QC samples were analyzed for the same parameters as the other samples, with the exception of the trip blank, which was analyzed for VOCs only. The field blank for the samples to be analyzed PFAS/PFOA was prepared using certified PFAS/PFOA-free water provided by the laboratory.

All analyses were provided by the laboratory with Analytical Services Protocol ("ASP") Category B data packages. The ASP Category B data packages were validated by an independent data validator and a Data Usability Summary Report ("DUSR") was prepared for each medium and data package. The tabulated data included in this report have incorporated the results of the data validation/DUSR process. The DUSRs are included in Apprndix E. In addition, all data will be provided electronically to the NYSDEC through EQuIS.

## 8.0 FINDINGS AND CONCLUSIONS

Implementation of the Site Characterization field investigation showed the following:

- One (1) previously unknown UST was encountered in the central portion of the Site. The UST was estimated to be 550 gallons in capacity and was found to contain approximately four (4) inches of a black oily liquid. Soil sample analytical results from soil boring SB-3 (installed adjacent to the UST) indicates that a release from the UST has not occurred.
- A follow-up geophysical investigation conducted across the Site showed two (2) magnetic anomalies . Each anomaly was further investigated using a manually-driven tool, to a depth of three (3) feet below ground surface for the sidewalk anomaly and a depth of one (1) foot below ground surface for the east-central anomaly (apparent concrete prevented deeper assessment at this location). No evidence of USTs was identified at either location.
- All surface soil samples contained VOCs, SVOCs, PCBs, and/or metals at concentrations exceeding Unrestricted Use SCOs. In addition, sample SS-4B contained hexavalent chromium at a concentration above its Unrestricted Use SCO. Restricted Residential SCOs for SVOCs, PCBs, and/or metals were also exceeded in all of the surface soil samples.
- Subsurface soil sampling showed exceedances of Unrestricted Use SCOs for VOCs, SVOCs, pesticides, and metals in the shallow samples collected at borings SB-1, SB-3, and SB-5. In addition, the sample SB-5A contained one PCB at a concentration exceeding the Unrestricted Use and Restricted Residential SCOs, and SB-8 showed acetone at a concentration slightly exceeding the Unrestricted Use SCO in the 8-10 foot interval (sample SB-8A) and cis-1,2-dichloroethene at a concentration slightly exceeding the Unrestricted Use SCO in the 13-15 foot interval (sample SB-8B).
- No parameters were detected at concentrations above Unrestricted Use SCOs in either sample from borings SB-2, SB-4, SB-6, and SB-7.

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- The Site-specific groundwater flow direction was calculated to be from the southeast to the northwest. As a result, monitoring wells MW-B and MW-C are upgradient of monitoring well MW-A.
- Class GA groundwater standards and guidance values for VOCs, SVOCs, total metals, and dissolved metals were exceeded in each of the groundwater samples collected during this investigation. The most significant groundwater impacts detected at the Site are from VOCs which are likely from an off-site source.
- The VOC concentrations detected in groundwater were significantly higher in the samples from monitoring wells MW-B and MW-C, which in combination with the significantly elevated VOC concetnrations detected in groundwater at the adjacent property to the south of the Site, indicate that the VOCs identified in groundwater were not derived from historic on-Site operations.
- Soil vapor sample results showed detections of 35 individual VOCs detected in one or more of the samples, including both petroleum-related and chlorinated VOCs. The soil vapor concentrations of several VOCs that are listed in the NYSDOH decision matrices would result in a decision of "mitigate", even if these VOCs were not detected in concurrent indoor air samples.

## 9.0 RECOMMENDATIONS

Based on the findings and conclusions presented above, in conjunction with the planned redevelopment scenario for the Site, the following recommendations are made regarding the Site:

- The UST identified at the Site during the investigation should be removed in accordance with NYSDEC regulations. A workplan for the removal of this UST accompanies this report
- Any potential environmental impacts associated with the geophysical anomalies will be addressed as part of the Site redevelopment program.
- Impacted surface and subsurface soil should be characterized, removed, and transported for proper off-Site disposal, as part of the Site redevelopment program.
- As noted above, potable water at the Site and in the Site vicinity is provided by the City of New York, and is supplied from upstate reservoirs. In addition, City regulations restrict operation of private potable wells, so there is no potential for direct human exposure to the impacted groundwater beneath the Site. As a result, no remedial action regarding groundwater is recommended.
- Due to the elevated concentrations of VOCs detected in soil vapor and groundwater samples at the Site, there is potential for vapor intrusion into future buildings at the Site. Since current redevelopment plans call for the basement to be occupied for religious purposes, vapor intrusion mitigation measures, including a vapor barrier and an active sub-slab depressurization system, will be included as part of the Site redevelopment program.

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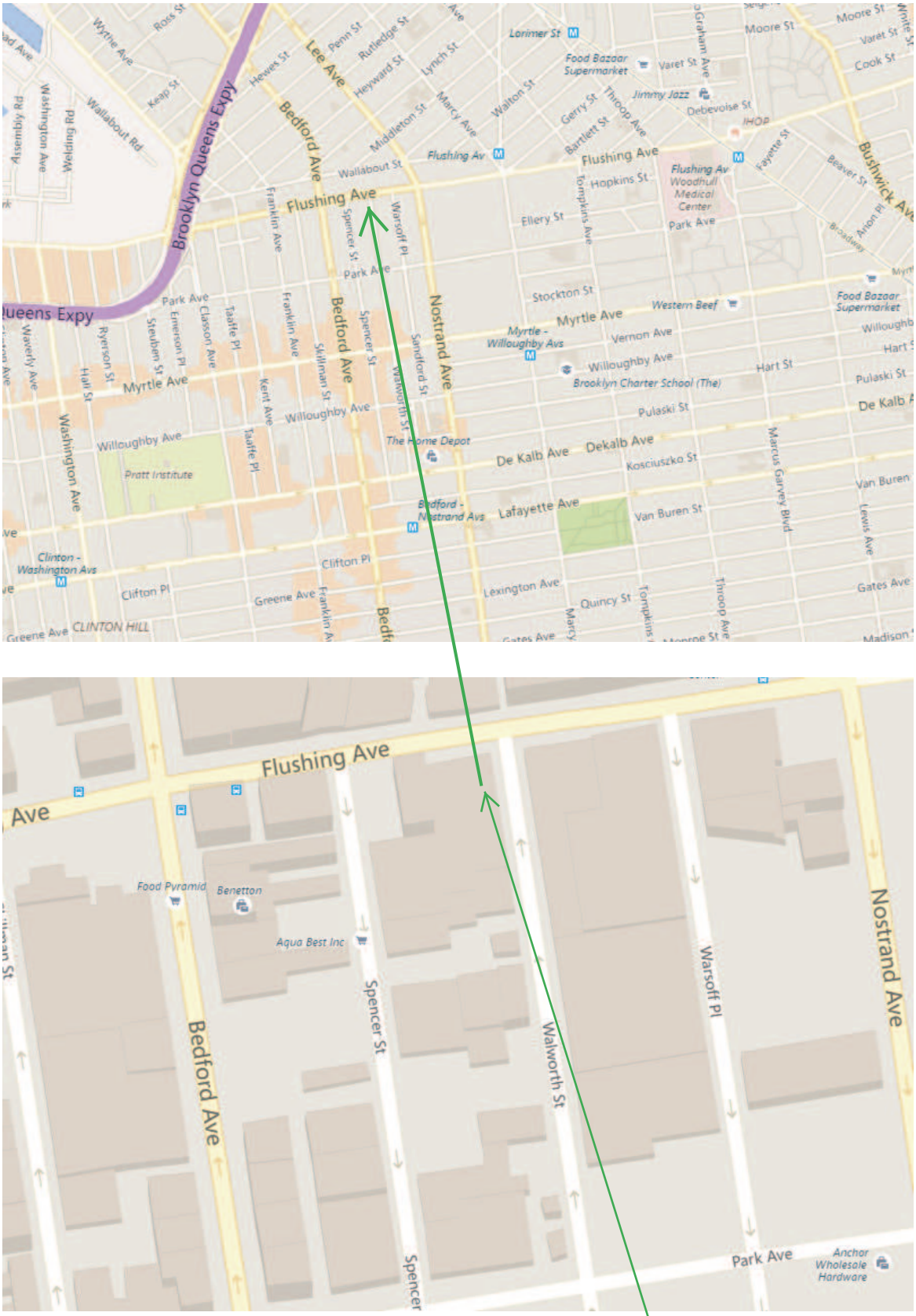
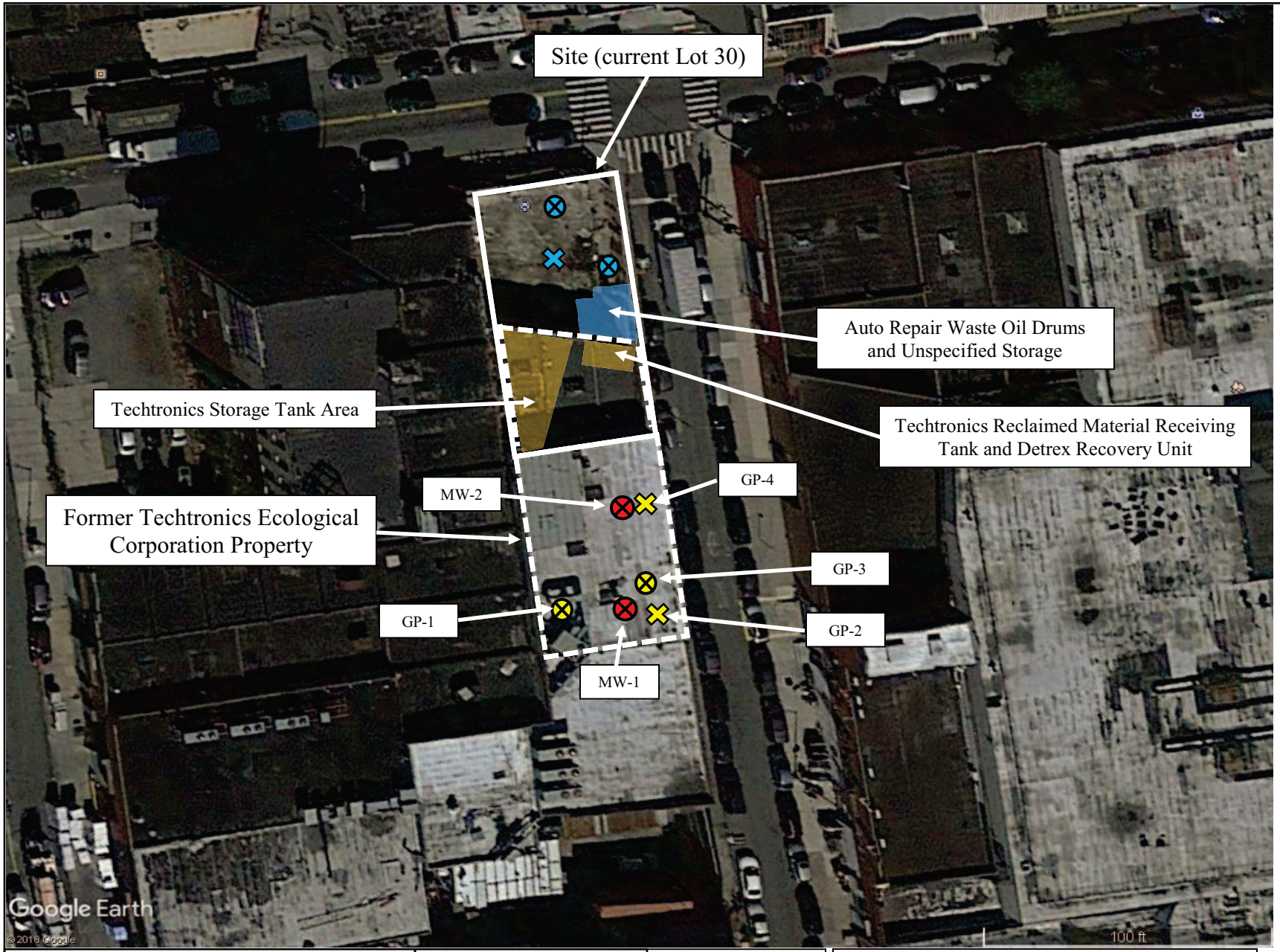



Figure 1.0 Site Location
480 Flushing Avenue
Brooklyn, New York



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**FIGURE 2.0**
SITE SKETCH, HISTORIC SITE USES, AND HISTORIC SAMPLE LOCATIONS

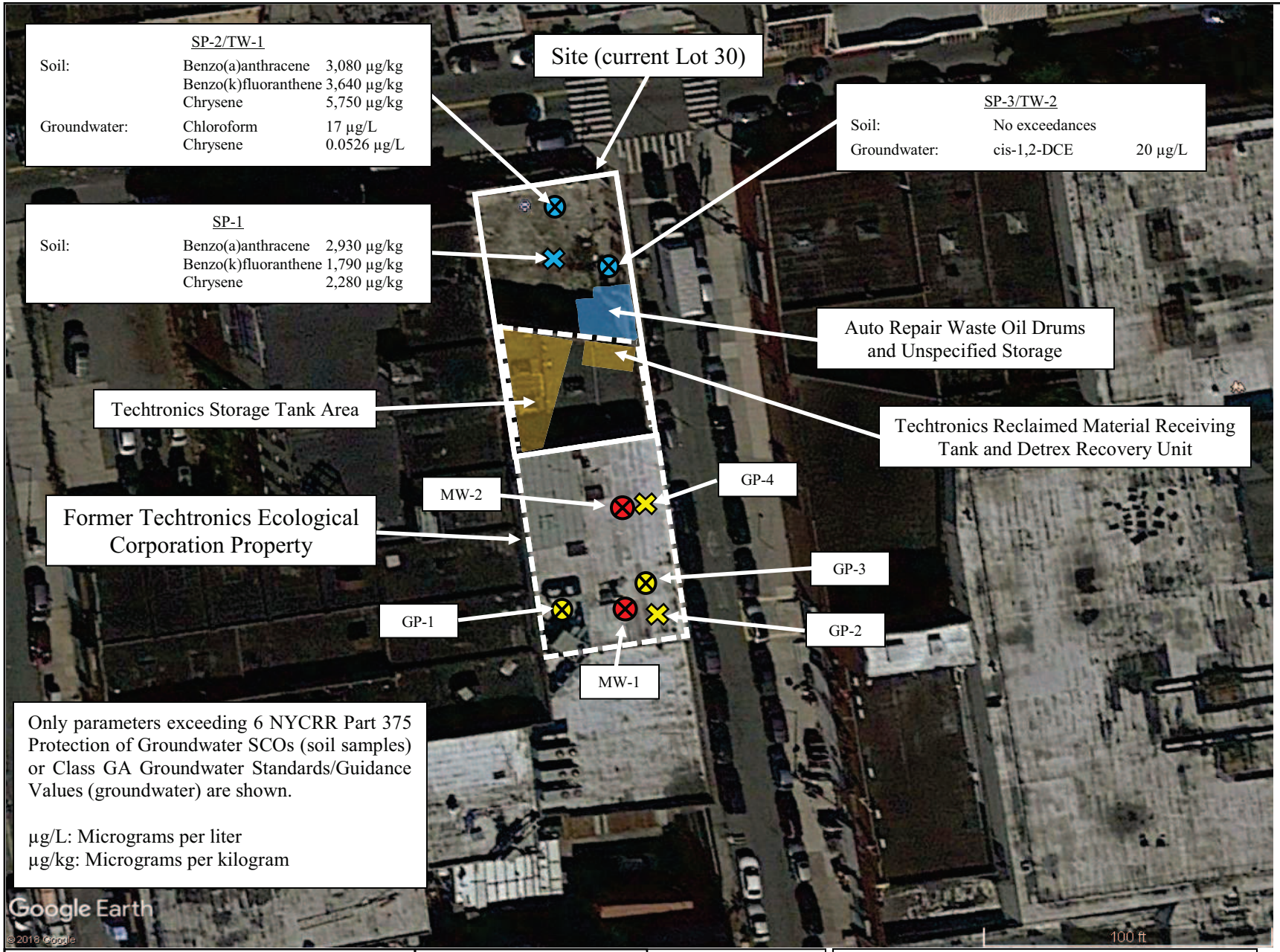
480 FLUSHING AVENUE
BROOKLYN, NEW YORK

PROJECT #: 17-310
DRAWING DATE: 5-8-18
DRAWN BY: KW
CHECKED BY: SY

- 2007 Soil boring
- 2007 Soil boring/temporary monitoring well
- 2014 Soil boring
- 2014 Soil boring/temporary monitoring well
- Permanent monitoring well

*LEA* makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.

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**FIGURE 3.0**
SITE SKETCH AND HISTORIC ON-SITE SAMPLE RESULTS

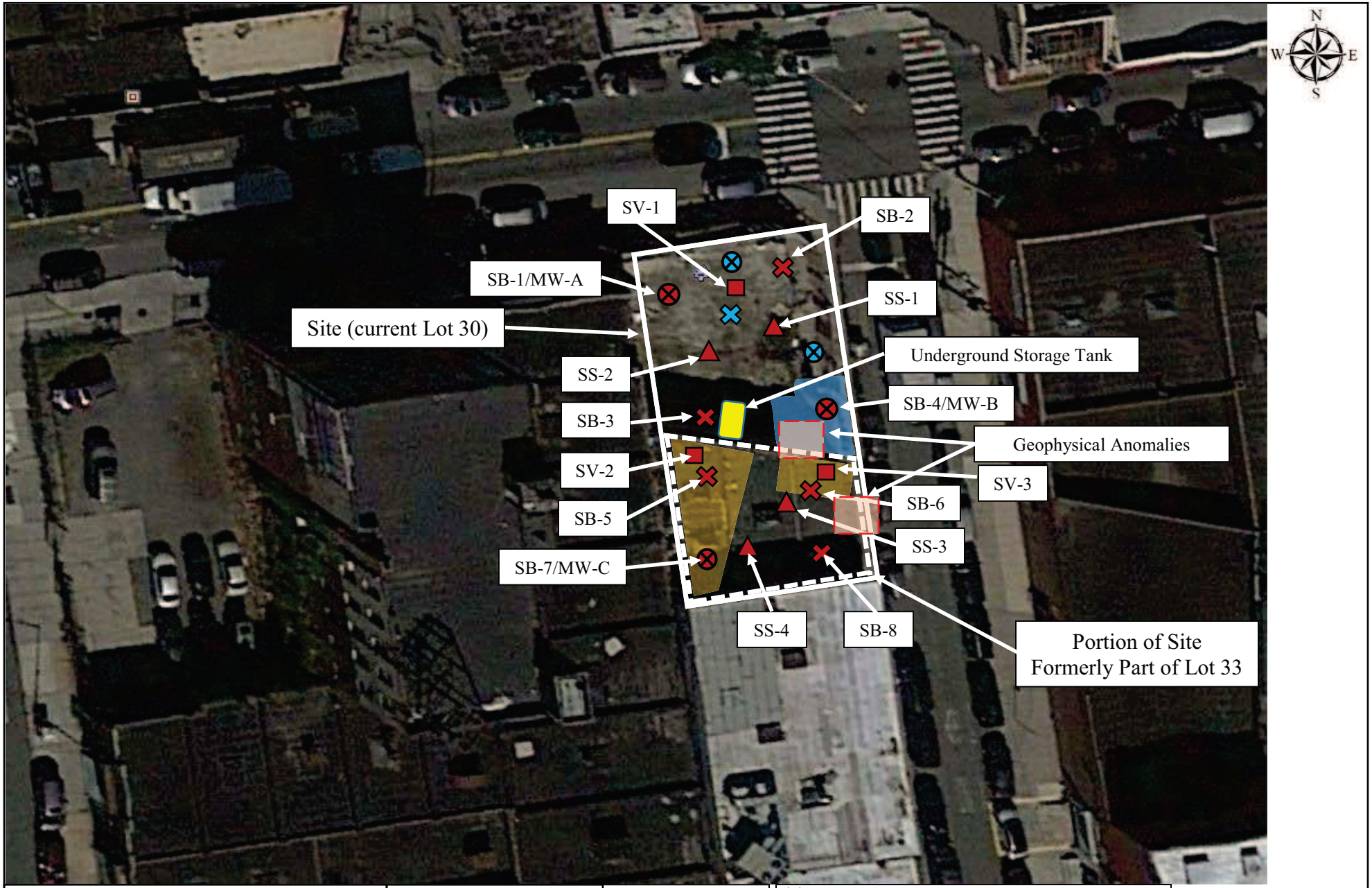
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- Permanent monitoring well

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**FIGURE 4.0**
SITE SKETCH WITH SAMPLE LOCATIONS

480 FLUSHING AVENUE
BROOKLYN, NEW YORK

PROJECT #: 17-310

DRAWING DATE: 6-19-18

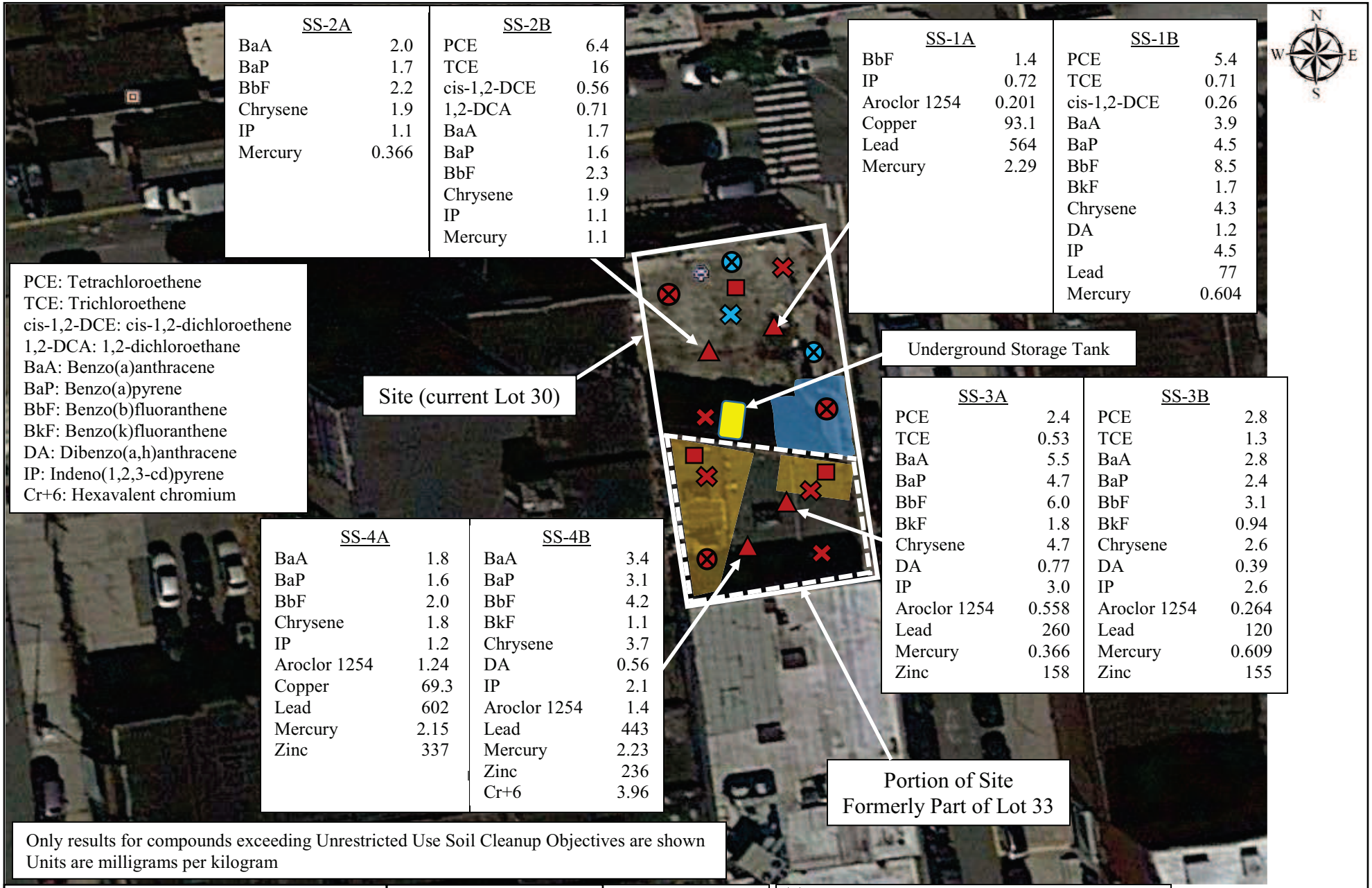
DRAWN BY: KW

CHECKED BY: SY

- 2014 Soil boring
- 2014 Soil boring/temporary monitoring well
- 2018 Soil boring
- 2018 Surface soil sample
- 2018 Soil boring/permanent monitoring well
- 2018 Soil vapor sample

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| SS-2A | |
|---|---|
| BaA | 2.0 |
| BaP | 1.7 |
| BbF | 2.2 |
| Chrysene | 1.9 |
| IP | 1.1 |
| Mercury | 0.366 |

| SS-2B | |
|---|---|
| PCE | 6.4 |
| TCE | 16 |
| cis-1,2-DCE | 0.56 |
| 1,2-DCA | 0.71 |
| BaA | 1.7 |
| BaP | 1.6 |
| BbF | 2.3 |
| Chrysene | 1.9 |
| IP | 1.1 |
| Mercury | 1.1 |

| SS-1A | |
|---|---|
| BbF | 1.4 |
| IP | 0.72 |
| Aroclor 1254 | 0.201 |
| Copper | 93.1 |
| Lead | 564 |
| Mercury | 2.29 |

| SS-1B | |
|---|---|
| PCE | 5.4 |
| TCE | 0.71 |
| cis-1,2-DCE | 0.26 |
| BaA | 3.9 |
| BaP | 4.5 |
| BbF | 8.5 |
| BkF | 1.7 |
| Chrysene | 4.3 |
| DA | 1.2 |
| IP | 4.5 |
| Lead | 77 |
| Mercury | 0.604 |

PCE: Tetrachloroethene
TCE: Trichloroethene
cis-1,2-DCE: cis-1,2-dichloroethene
1,2-DCA: 1,2-dichloroethane
BaA: Benzo(a)anthracene
BaP: Benzo(a)pyrene
BbF: Benzo(b)fluoranthene
BkF: Benzo(k)fluoranthene
DA: Dibenzo(a,h)anthracene
IP: Indeno(1,2,3-cd)pyrene
Cr+6: Hexavalent chromium

Site (current Lot 30)

Underground Storage Tank

| SS-3A | |
|---|---|
| PCE | 2.4 |
| TCE | 0.53 |
| BaA | 5.5 |
| BaP | 4.7 |
| BbF | 6.0 |
| BkF | 1.8 |
| Chrysene | 4.7 |
| DA | 0.77 |
| IP | 3.0 |
| Aroclor 1254 | 0.558 |
| Lead | 260 |
| Mercury | 0.366 |
| Zinc | 158 |

| SS-3B | |
|---|---|
| PCE | 2.8 |
| TCE | 1.3 |
| BaA | 2.8 |
| BaP | 2.4 |
| BbF | 3.1 |
| BkF | 0.94 |
| Chrysene | 2.6 |
| DA | 0.39 |
| IP | 2.6 |
| Aroclor 1254 | 0.264 |
| Lead | 120 |
| Mercury | 0.609 |
| Zinc | 155 |

| SS-4A | |
|---|---|
| BaA | 1.8 |
| BaP | 1.6 |
| BbF | 2.0 |
| Chrysene | 1.8 |
| IP | 1.2 |
| Aroclor 1254 | 1.24 |
| Copper | 69.3 |
| Lead | 602 |
| Mercury | 2.15 |
| Zinc | 337 |

| SS-4B | |
|---|---|
| BaA | 3.4 |
| BaP | 3.1 |
| BbF | 4.2 |
| BkF | 1.1 |
| Chrysene | 3.7 |
| DA | 0.56 |
| IP | 2.1 |
| Aroclor 1254 | 1.4 |
| Lead | 443 |
| Mercury | 2.23 |
| Zinc | 236 |
| Cr+6 | 3.96 |

Portion of Site
Formerly Part of Lot 33

Only results for compounds exceeding Unrestricted Use Soil Cleanup Objectives are shown
Units are milligrams per kilogram

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**FIGURE 5.0**
SITE SKETCH AND SURFACE SAMPLE RESULTS

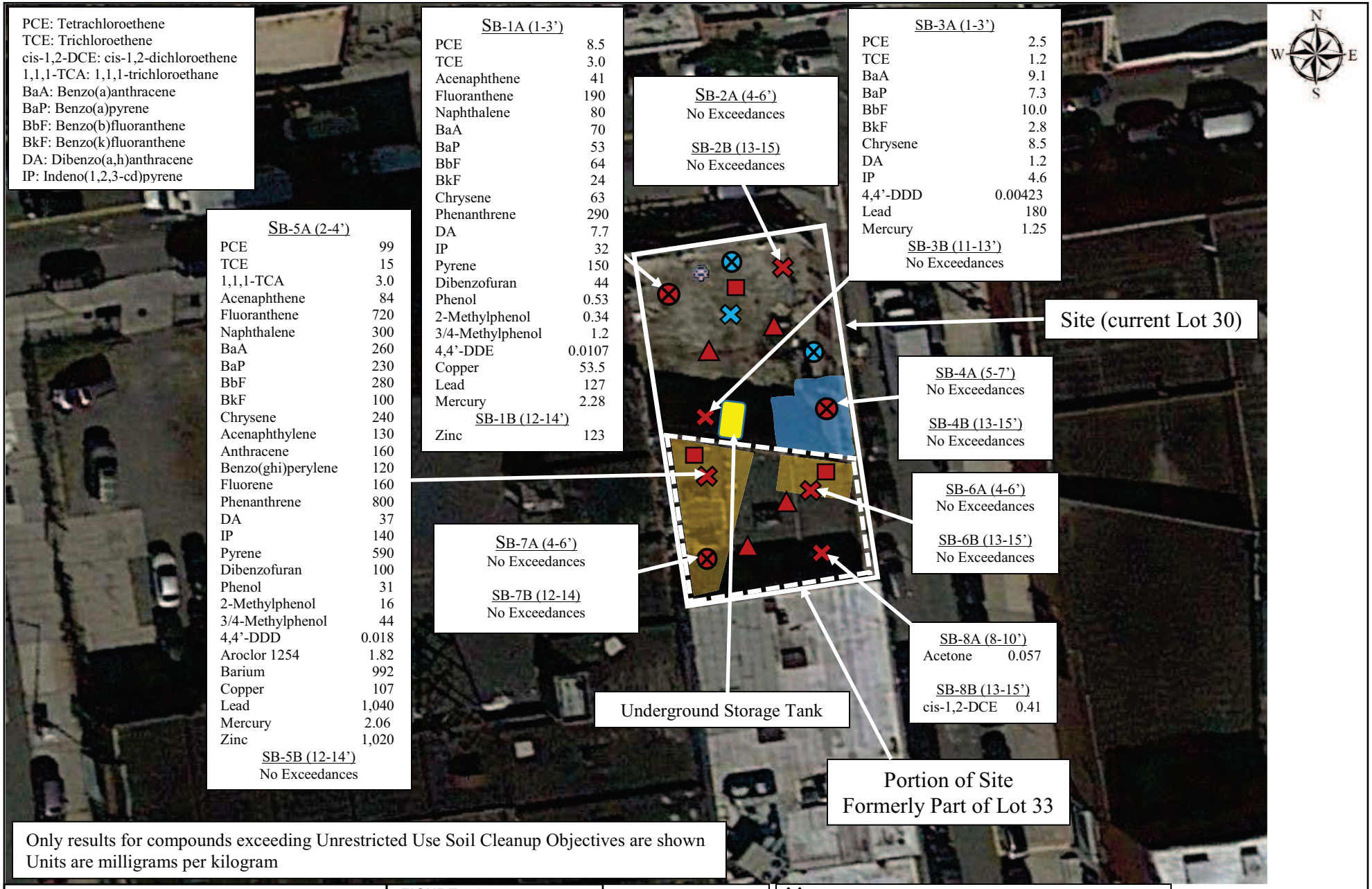
480 FLUSHING AVENUE
BROOKLYN, NEW YORK

PROJECT #: 17-310
DRAWING DATE: 6-19-18
DRAWN BY: KW
CHECKED BY: SY

- 2014 Soil boring
- 2014 Soil boring/temporary monitoring well
- 2018 Soil boring
- 2018 Surface soil sample
- 2018 Soil boring/permanent monitoring well
- 2018 Soil vapor sample

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Only results for compounds exceeding Unrestricted Use Soil Cleanup Objectives are shown
Units are milligrams per kilogram

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**FIGURE 6.0**
SITE SKETCH AND SUBSURFACE SOIL SAMPLE RESULTS

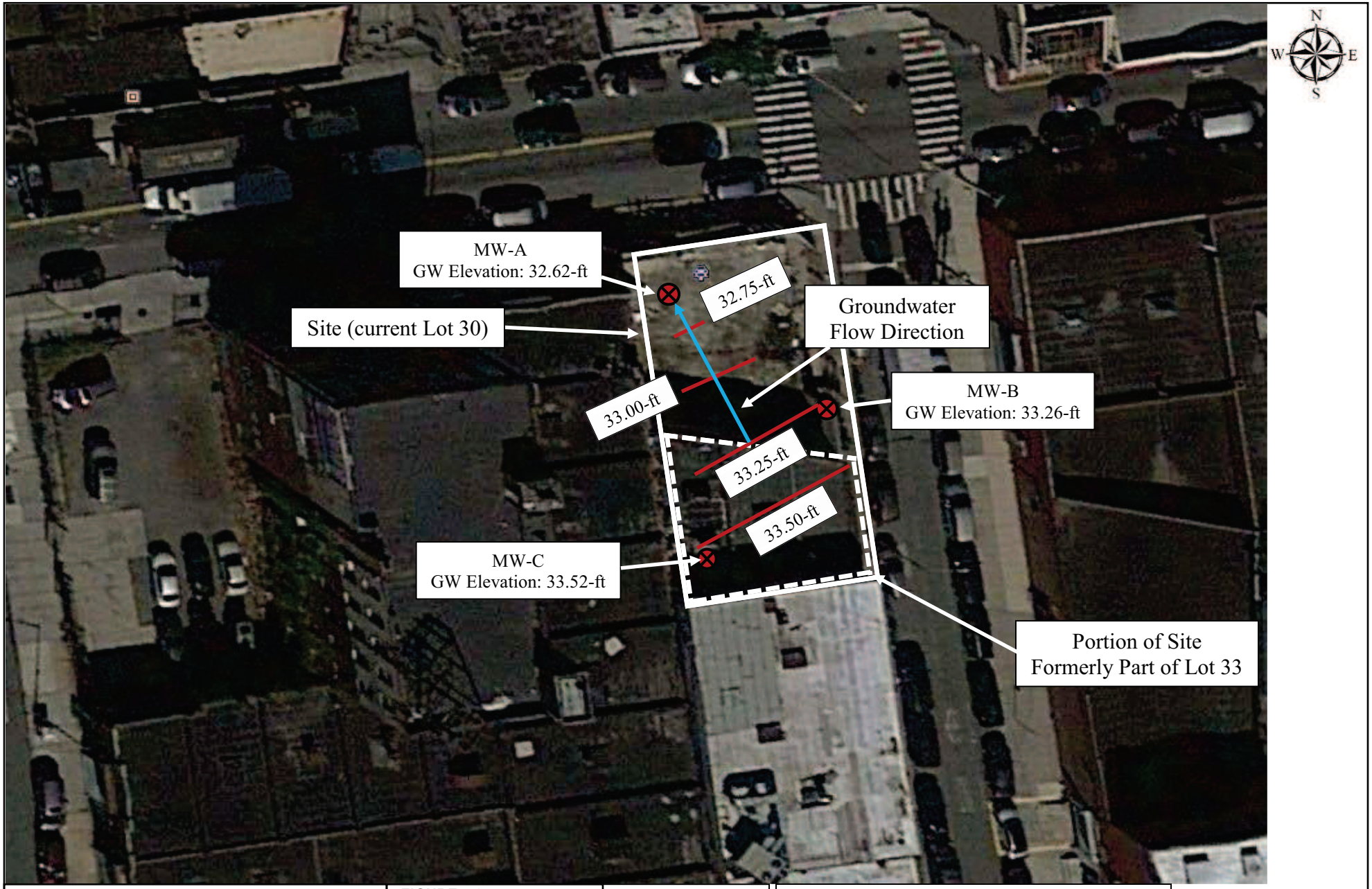
480 FLUSHING AVENUE
BROOKLYN, NEW YORK

PROJECT #: 17-310
DRAWING DATE: 6-19-18
DRAWN BY: KW
CHECKED BY: SY

- 2014 Soil boring
- 2014 Soil boring/temporary monitoring well
- 2018 Soil boring
- 2018 Surface soil sample
- 2018 Soil boring/permanent monitoring well
- 2018 Soil vapor sample

*LEA* makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.

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PHONE: 631-673-0612
FAX: 631-427-5323

**FIGURE 7.0**
SITE SKETCH WITH
GROUNDWATER ELEVATION AND
CONTOUR

480 FLUSHING AVENUE
BROOKLYN, NEW YORK

PROJECT #: 17-310

DRAWING DATE: 6-27-18

DRAWN BY: JB

CHECKED BY: KW

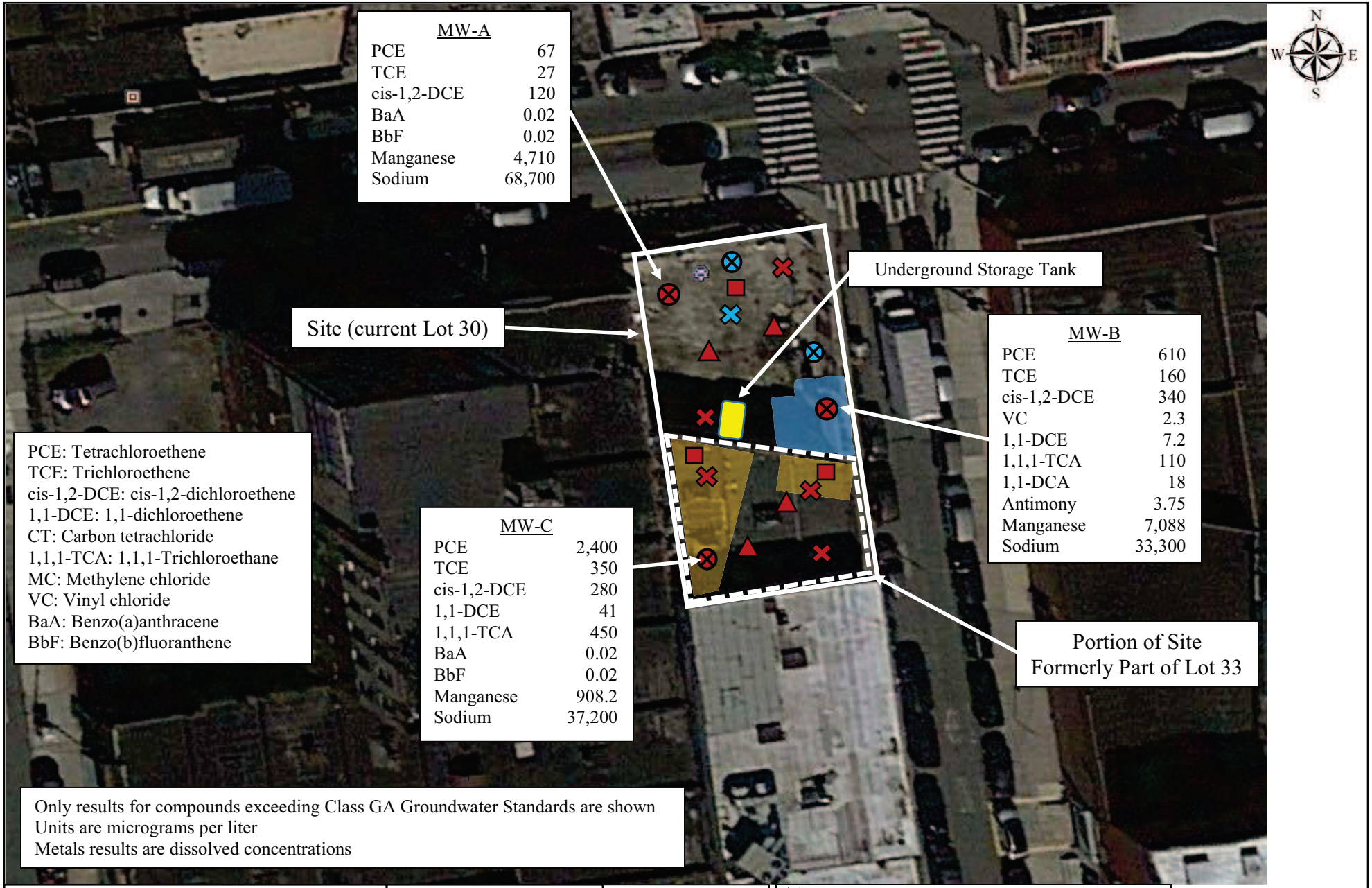
**KEY**

= groundwater elevation contour

= permanent monitoring well

***LEA*** makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.

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Huntington Station, NY 11746
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**FIGURE 8.0**
SITE SKETCH AND GROUNDWATER SAMPLE RESULTS

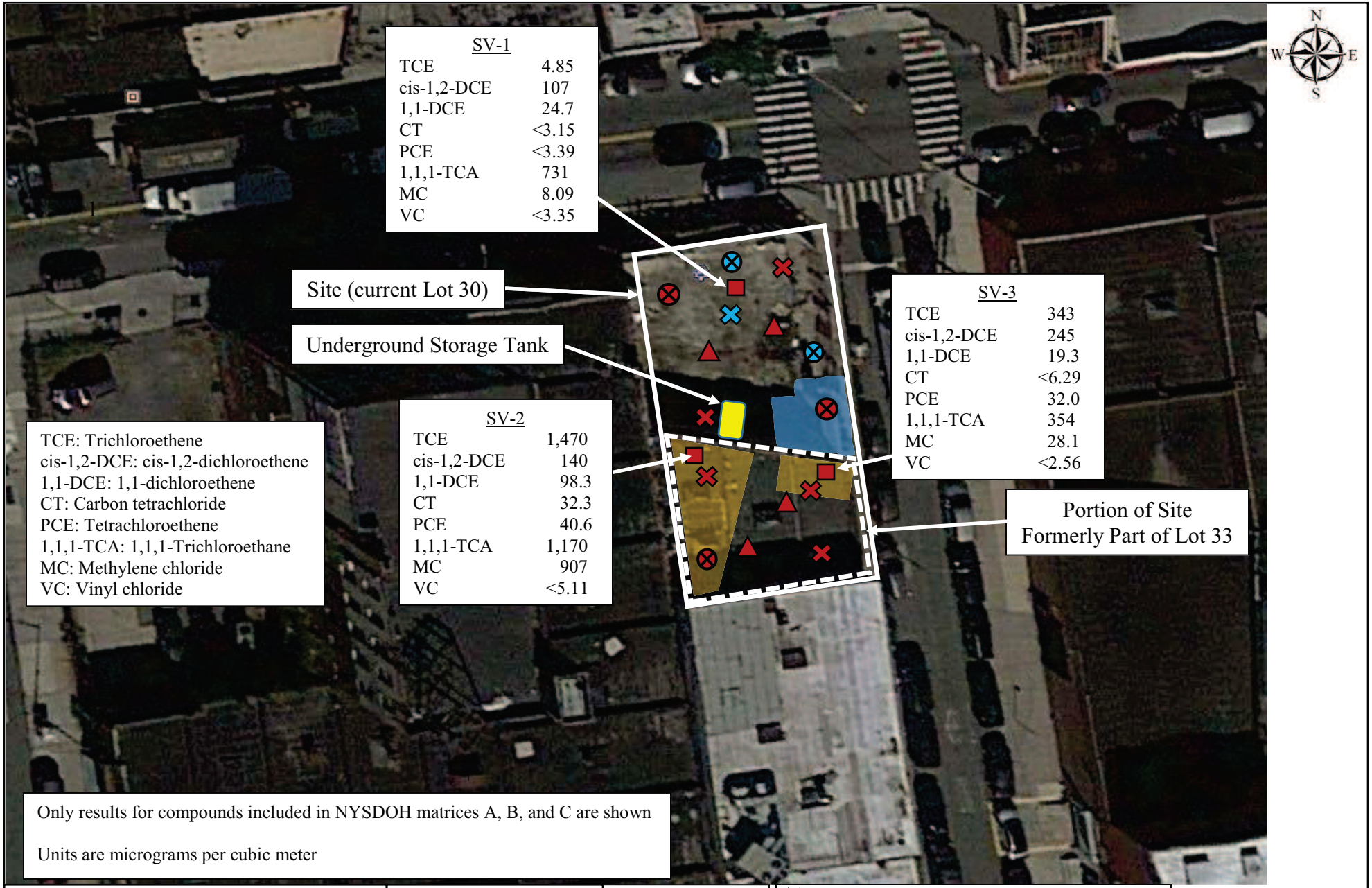
480 FLUSHING AVENUE
BROOKLYN, NEW YORK

PROJECT #: 17-310
DRAWING DATE: 6-19-18
DRAWN BY: KW
CHECKED BY: SY

- 2014 Soil boring
- 2014 Soil boring/temporary monitoring well
- 2018 Soil boring
- 2018 Surface soil sample
- 2018 Soil boring/permanent monitoring well
- 2018 Soil vapor sample

*LEA* makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.

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TCE: Trichloroethene
cis-1,2-DCE: cis-1,2-dichloroethene
1,1-DCE: 1,1-dichloroethene
CT: Carbon tetrachloride
PCE: Tetrachloroethene
1,1,1-TCA: 1,1,1-Trichloroethane
MC: Methylene chloride
VC: Vinyl chloride

Only results for compounds included in NYSDOH matrices A, B, and C are shown

Units are micrograms per cubic meter

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Huntington Station, NY 11746
PHONE: 631-673-0612
FAX: 631-427-5323

**FIGURE 9.0**
SITE SKETCH AND SOIL VAPOR SAMPLE RESULTS

480 FLUSHING AVENUE
BROOKLYN, NEW YORK

PROJECT #: 17-310
DRAWING DATE: 6-19-18
DRAWN BY: KW
CHECKED BY: SY

- 2014 Soil boring
- 2014 Soil boring/temporary monitoring well
- 2018 Soil boring
- 2018 Surface soil sample
- 2018 Soil boring/permanent monitoring well
- 2018 Soil vapor sample

*LEA* makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.

# APPENDIX A

# Site Photographs

TRIAL MODE - Click here for more information



**Photo 1, View of the Site showing proposed sample locations**




**Photo 2, Location of typical surface soil sample location (SS-1)**

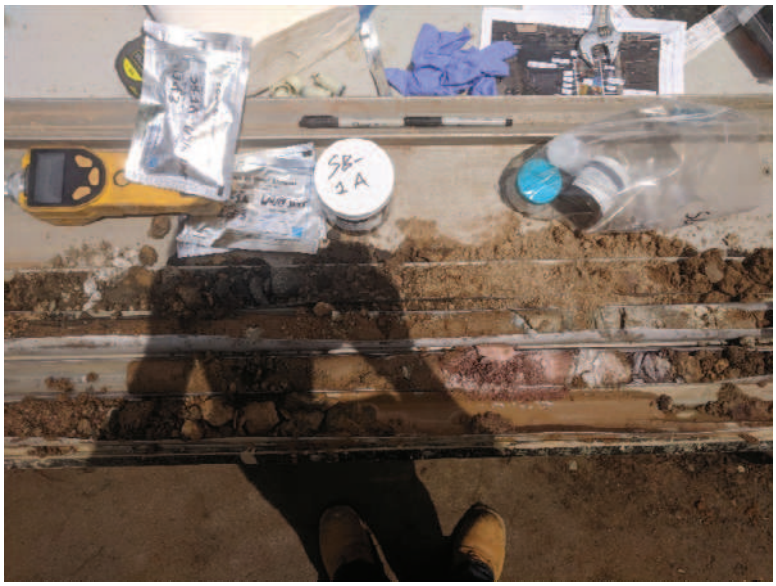



**Photo 3, Soil from boring SB-1**

TRIAL MODE - Click here for more information




**Photo 4, Soil from boring SB-2**




**Photo 5, Soil (depth 0-5 ft) from boring SB-4**

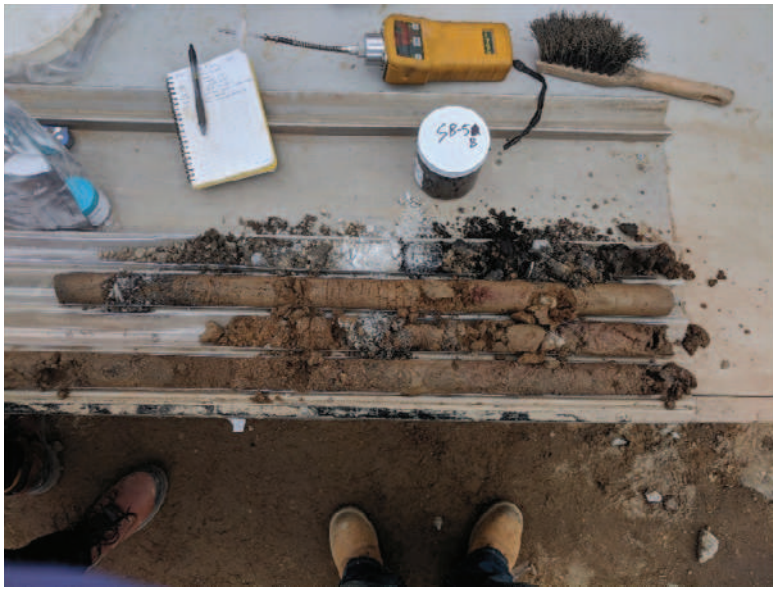



**Photo 6, Soil from boring SB-5**

TRIAL MODE - Click here for more information




**Photo 7, Soil from boring SB-6**




**Photo 8, Soil from boring SB-7**



**Photo 9, View of geophysical anomaly in the east-central area of the Site**

TRIAL MODE - Click here for more information



**Photo 10, View of underground storage tank (UST) identified on-Site during site characterization sampling activities**

TRIAL MODE - Click here for more information

# APPENDIX B

# CAMP Data

TRIAL MODE - Click here for more information

**Downwind 6/4/18**

| | | | |
|---|---|---|---|
| Instrument Name | DustTrak II | Test Interval [M:S] | 1:00 |
| Model Number | 8530 | Mass Average [mg/m3] | 0.002 |
| Serial Number | 8530122528 | Mass Minimum [mg/m3] | 0 |
| Firmware Version | 3.7 | Mass Maximum [mg/m | 0.024 |
| Calibration Date | 2/13/15 | Mass TWA [mg/m3] | 0 |
| Test Name | MANUAL_001 | Photometric User Cal | 1.3 |
| Test Start Time | 7:50:09 AM | Flow User Cal | 0 |
| Test Start Date | 6/4/18 | Errors | Max Concentration |
| Test Length [D:H:M] | 0:23:36 | Number of Samples | 511 |
| Position | Downwind | **Background: 0.005 mg/m3** | |

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|
| 60 | 0.004 | | |
| 120 | 0.004 | | |
| 180 | 0.004 | | |
| 240 | 0.004 | | |
| 300 | 0.004 | | |
| 360 | 0.004 | | |
| 420 | 0.004 | | |
| 480 | 0.004 | | |
| 540 | 0.004 | | |
| 600 | 0.004 | | |
| 660 | 0.004 | | |
| 720 | 0.004 | | |
| 780 | 0.004 | | |
| 840 | 0.004 | | |
| 900 | 0.004 | | |
| 960 | 0.004 | | |
| 1020 | 0.004 | | |
| 1080 | 0.004 | | |
| 1140 | 0.004 | | |
| 1200 | 0.004 | | |
| 1260 | 0.004 | | |
| 1320 | 0.004 | | |
| 1380 | 0.004 | | |
| 1440 | 0.003 | | |
| 1500 | 0.003 | | |
| 1560 | 0.002 | | |
| 1620 | 0.003 | | |
| 1680 | 0.024 | | |
| 1740 | 0.002 | | |
| 1800 | 0.003 | | |
| 1860 | 0.002 | | |
| 1920 | 0.003 | | |
| 1980 | 0.002 | | |
| 2040 | 0.002 | | |
| 2100 | 0.001 | | |
| 2160 | 0.001 | | |
| 2220 | 0.001 | | |
| 2280 | 0.002 | | |
| 2340 | 0.001 | | |
| 2400 | 0.001 | | |
| 2460 | 0.001 | | |
| 2520 | 0.001 | | |
| 2580 | 0.002 | | |
| 2640 | 0.002 | | |
| 2700 | 0.003 | | |
| 2760 | 0.002 | | |
| 2820 | 0.002 | | |
| 2880 | 0.002 | | |
| 2940 | 0.002 | | |
| 3000 | 0.003 | | |
| 3060 | 0.003 | | |
| 3120 | 0.003 | | |
| 3180 | 0.004 | | |
| 3240 | 0.004 | | |
| 3300 | 0.004 | | |
| 3360 | 0.004 | | |
| 3420 | 0.005 | | |
| 3480 | 0.005 | | |
| 3540 | 0.004 | | |
| 3600 | 0.004 | | |
| 3660 | 0.004 | | |
| 3720 | 0.004 | | |
| 3780 | 0.005 | | |
| 3840 | 0.006 | | |
| 3900 | 0.005 | | |
| 3960 | 0.004 | | |
| 4020 | 0.004 | | |
| 4080 | 0.004 | | |
| 4140 | 0.004 | | |
| 4200 | 0.004 | | |
| 4260 | 0.004 | | |
| 4320 | 0.003 | | |
| 4380 | 0.003 | | |
| 4440 | 0.003 | | |



TRIAL MODE - Click here for more information

**Downwind 6/4/18**

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 4500 | 0.003 | | | 7320 | 0.003 | | |
| 4560 | 0.004 | | | 7380 | 0.003 | | |
| 4620 | 0.002 | | | 7440 | 0.002 | | |
| 4680 | 0.002 | | | 7500 | 0.004 | | |
| 4740 | 0.002 | | | 7560 | 0.004 | | |
| 4800 | 0.002 | | | 7620 | 0.002 | | |
| 4860 | 0.005 | | | 7680 | 0.003 | | |
| 4920 | 0.002 | | | 7740 | 0.002 | | |
| 4980 | 0.003 | | | 7800 | 0.002 | | |
| 5040 | 0.004 | | | 7860 | 0.002 | | |
| 5100 | 0.002 | | | 7920 | 0.001 | | |
| 5160 | 0.002 | | | 7980 | 0.001 | | |
| 5220 | 0.003 | | | 8040 | 0.002 | | |
| 5280 | 0.004 | | | 8100 | 0.001 | | |
| 5340 | 0.003 | | | 8160 | 0.001 | | |
| 5400 | 0.003 | | | 8220 | 0.001 | | |
| 5460 | 0.003 | | | 8280 | 0.001 | | |
| 5520 | 0.002 | | | 8340 | 0.001 | | |
| 5580 | 0.002 | | | 8400 | 0.001 | | |
| 5640 | 0.002 | | | 8460 | 0.000 | | |
| 5700 | 0.002 | | | 8520 | 0.000 | | |
| 5760 | 0.002 | | | 8580 | 0.000 | | |
| 5820 | 0.002 | | | 8640 | 0.000 | | |
| 5880 | 0.004 | | | 8700 | 0.000 | | |
| 5940 | 0.006 | | | 8760 | 0.001 | | |
| 6000 | 0.003 | | | 8820 | 0.002 | | |
| 6060 | 0.003 | | | 8880 | 0.002 | | |
| 6120 | 0.003 | | | 8940 | 0.003 | | |
| 6180 | 0.003 | | | 9000 | 0.004 | | |
| 6240 | 0.003 | | | 9060 | 0.004 | | |
| 6300 | 0.003 | | | 9120 | 0.003 | | |
| 6360 | 0.003 | | | 9180 | 0.002 | | |
| 6420 | 0.003 | | | 9240 | 0.003 | | |
| 6480 | 0.002 | | | 9300 | 0.002 | | |
| 6540 | 0.002 | | | 9360 | 0.001 | | |
| 6600 | 0.001 | | | 9420 | 0.003 | | |
| 6660 | 0.001 | | | 9480 | 0.004 | | |
| 6720 | 0.002 | | | 9540 | 0.002 | | |
| 6780 | 0.003 | | | 9600 | 0.002 | | |
| 6840 | 0.003 | | | 9660 | 0.010 | | |
| 6900 | 0.003 | | | 9720 | 0.001 | | |
| 6960 | 0.006 | | | 9780 | 0.003 | | |
| 7020 | 0.003 | | | 9840 | 0.003 | | |
| 7080 | 0.003 | | | 9900 | 0.004 | | |
| 7140 | 0.003 | | | 9960 | 0.004 | | |
| 7200 | 0.003 | | | 10020 | 0.002 | | |
| 7260 | 0.003 | | | 10080 | 0.002 | | |



TRIAL MODE - Click here for more information

**Downwind 6/4/18**

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 10140 | 0.002 | | | 12960 | 0.000 | | |
| 10200 | 0.005 | | | 13020 | 0.000 | | |
| 10260 | 0.002 | | | 13080 | 0.000 | | |
| 10320 | 0.001 | | | 13140 | 0.000 | | |
| 10380 | 0.001 | | | 13200 | 0.000 | | |
| 10440 | 0.002 | | | 13260 | 0.000 | | |
| 10500 | 0.002 | | | 13320 | 0.000 | | |
| 10560 | 0.000 | | | 13380 | 0.000 | | |
| 10620 | 0.000 | | | 13440 | 0.000 | | |
| 10680 | 0.000 | | | 13500 | 0.001 | | |
| 10740 | 0.000 | | | 13560 | 0.001 | | |
| 10800 | 0.003 | | | 13620 | 0.000 | | |
| 10860 | 0.001 | | | 13680 | 0.000 | | |
| 10920 | 0.001 | | | 13740 | 0.000 | | |
| 10980 | 0.000 | | | 13800 | 0.001 | | |
| 11040 | 0.000 | | | 13860 | 0.001 | | |
| 11100 | 0.001 | | | 13920 | 0.001 | | |
| 11160 | 0.007 | | | 13980 | 0.000 | | |
| 11220 | 0.000 | | | 14040 | 0.001 | | |
| 11280 | 0.000 | | | 14100 | 0.004 | | |
| 11340 | 0.000 | | | 14160 | 0.002 | | |
| 11400 | 0.000 | | | 14220 | 0.000 | | |
| 11460 | 0.000 | | | 14280 | 0.000 | | |
| 11520 | 0.000 | | | 14340 | 0.000 | | |
| 11580 | 0.000 | | | 14400 | 0.000 | | |
| 11640 | 0.000 | | | 14460 | 0.000 | | |
| 11700 | 0.000 | | | 14520 | 0.001 | | |
| 11760 | 0.000 | | | 14580 | 0.000 | | |
| 11820 | 0.000 | | | 14640 | 0.000 | | |
| 11880 | 0.000 | | | 14700 | 0.000 | | |
| 11940 | 0.000 | | | 14760 | 0.000 | | |
| 12000 | 0.000 | | | 14820 | 0.004 | | |
| 12060 | 0.000 | | | 14880 | 0.002 | | |
| 12120 | 0.000 | | | 14940 | 0.000 | | |
| 12180 | 0.000 | | | 15000 | 0.000 | | |
| 12240 | 0.000 | | | 15060 | 0.000 | | |
| 12300 | 0.000 | | | 15120 | 0.001 | | |
| 12360 | 0.000 | | | 15180 | 0.000 | | |
| 12420 | 0.000 | | | 15240 | 0.001 | | |
| 12480 | 0.000 | | | 15300 | 0.002 | | |
| 12540 | 0.000 | | | 15360 | 0.001 | | |
| 12600 | 0.000 | | | 15420 | 0.003 | | |
| 12660 | 0.000 | | | 15480 | 0.013 | | |
| 12720 | 0.000 | | | 15540 | 0.007 | | |
| 12780 | 0.005 | | | 15600 | 0.002 | | |
| 12840 | 0.002 | | | 15660 | 0.001 | | |
| 12900 | 0.001 | | | 15720 | 0.000 | | |



TRIAL MODE - Click here for more information

**Downwind 6/4/18**

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 15780 | 0.004 | | | 18600 | 0.000 | | |
| 15840 | 0.000 | | | 18660 | 0.000 | | |
| 15900 | 0.000 | | | 18720 | 0.000 | | |
| 15960 | 0.000 | | | 18780 | 0.000 | | |
| 16020 | 0.000 | | | 18840 | 0.001 | | |
| 16080 | 0.001 | | | 18900 | 0.000 | | |
| 16140 | 0.002 | | | 18960 | 0.001 | | |
| 16200 | 0.000 | | | 19020 | 0.002 | | |
| 16260 | 0.000 | | | 19080 | 0.000 | | |
| 16320 | 0.000 | | | 19140 | 0.000 | | |
| 16380 | 0.000 | | | 19200 | 0.000 | | |
| 16440 | 0.000 | | | 19260 | 0.002 | | |
| 16500 | 0.001 | | | 19320 | 0.001 | | |
| 16560 | 0.002 | | | 19380 | 0.001 | | |
| 16620 | 0.001 | | | 19440 | 0.001 | | |
| 16680 | 0.001 | | | 19500 | 0.001 | | |
| 16740 | 0.001 | | | 19560 | 0.001 | | |
| 16800 | 0.000 | | | 19620 | 0.001 | | |
| 16860 | 0.000 | | | 19680 | 0.002 | | |
| 16920 | 0.000 | | | 19740 | 0.002 | | |
| 16980 | 0.000 | | | 19800 | 0.005 | | |
| 17040 | 0.000 | | | 19860 | 0.005 | | |
| 17100 | 0.000 | | | 19920 | 0.003 | | |
| 17160 | 0.000 | | | 19980 | 0.002 | | |
| 17220 | 0.000 | | | 20040 | 0.006 | | |
| 17280 | 0.000 | | | 20100 | 0.005 | | |
| 17340 | 0.001 | | | 20160 | 0.002 | | |
| 17400 | 0.001 | | | 20220 | 0.003 | | |
| 17460 | 0.000 | | | 20280 | 0.002 | | |
| 17520 | 0.000 | | | 20340 | 0.002 | | |
| 17580 | 0.001 | | | 20400 | 0.002 | | |
| 17640 | 0.000 | | | 20460 | 0.002 | | |
| 17700 | 0.000 | | | 20520 | 0.002 | | |
| 17760 | 0.000 | | | 20580 | 0.002 | | |
| 17820 | 0.000 | | | 20640 | 0.002 | | |
| 17880 | 0.000 | | | 20700 | 0.002 | | |
| 17940 | 0.000 | | | 20760 | 0.002 | | |
| 18000 | 0.000 | | | 20820 | 0.004 | | |
| 18060 | 0.000 | | | 20880 | 0.002 | | |
| 18120 | 0.000 | | | 20940 | 0.002 | | |
| 18180 | 0.000 | | | 21000 | 0.002 | | |
| 18240 | 0.000 | | | 21060 | 0.002 | | |
| 18300 | 0.000 | | | 21120 | 0.002 | | |
| 18360 | 0.000 | | | 21180 | 0.004 | | |
| 18420 | 0.000 | | | 21240 | 0.003 | | |
| 18480 | 0.000 | | | 21300 | 0.003 | | |
| 18540 | 0.000 | | | 21360 | 0.002 | | |



TRIAL MODE - Click here for more information

**Downwind 6/4/18**

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|
| 21420 | 0.003 | | |
| 21480 | 0.003 | | |
| 21540 | 0.003 | | |
| 21600 | 0.004 | | |
| 21660 | 0.003 | | |
| 21720 | 0.002 | | |
| 21780 | 0.003 | | |
| 21840 | 0.002 | | |
| 21900 | 0.002 | | |
| 21960 | 0.003 | | |
| 22020 | 0.003 | | |
| 22080 | 0.004 | | |
| 22140 | 0.003 | | |
| 22200 | 0.003 | | |
| 22260 | 0.003 | | |
| 22320 | 0.004 | | |
| 22380 | 0.004 | | |
| 22440 | 0.006 | | |
| 22500 | 0.004 | | |
| 22560 | 0.004 | | |
| 22620 | 0.003 | | |
| 22680 | 0.003 | | |
| 22740 | 0.001 | | |
| 22800 | 0.001 | | |
| 22860 | 0.001 | | |
| 22920 | 0.002 | | |
| 22980 | 0.003 | | |
| 23040 | 0.002 | | |
| 23100 | 0.002 | | |
| 23160 | 0.003 | | |
| 23220 | 0.003 | | |
| 23280 | 0.002 | | |
| 23340 | 0.002 | | |
| 23400 | 0.002 | | |
| 23460 | 0.001 | | |
| 23520 | 0.000 | | |
| 23580 | 0.000 | | |
| 23640 | 0.001 | | |
| 23700 | 0.000 | | |
| 23760 | 0.000 | | |
| 23820 | 0.000 | | |
| 23880 | 0.001 | | |
| 23940 | 0.000 | | |
| 24000 | 0.001 | | |
| 24060 | 0.006 | | |
| 24120 | 0.001 | | |
| 24180 | 0.000 | | |
| 24240 | 0.001 | | |
| 24300 | 0.001 | | |
| 24360 | 0.001 | | |
| 24420 | 0.002 | | |
| 24480 | 0.002 | | |
| 24540 | 0.002 | | |
| 24600 | 0.001 | | |
| 24660 | 0.000 | | |
| 24720 | 0.000 | | |
| 24780 | 0.000 | | |
| 24840 | 0.000 | | |
| 24900 | 0.000 | | |
| 24960 | 0.000 | | |
| 25020 | 0.000 | | |
| 25080 | 0.000 | | |
| 25140 | 0.001 | | |
| 25200 | 0.000 | | |
| 25260 | 0.000 | | |
| 25320 | 0.000 | | |
| 25380 | 0.000 | | |
| 25440 | 0.000 | | |
| 25500 | 0.000 | | |
| 25560 | 0.000 | | |
| 25620 | 0.001 | | |
| 25680 | 0.000 | | |
| 25740 | 0.000 | | |
| 25800 | 0.000 | | |
| 25860 | 0.000 | | |
| 25920 | 0.000 | | |
| 25980 | 0.000 | | |
| 26040 | 0.000 | | |
| 26100 | 0.000 | | |
| 26160 | 0.000 | | |
| 26220 | 0.000 | | |
| 26280 | 0.000 | | |
| 26340 | 0.000 | | |
| 26400 | 0.000 | | |
| 26460 | 0.000 | | |
| 26520 | 0.000 | | |
| 26580 | 0.000 | | |
| 26640 | 0.000 | | |
| 26700 | 0.000 | | |
| 26760 | 0.000 | | |
| 26820 | 0.001 | | |
| 26880 | 0.001 | | |
| 26940 | 0.001 | | |
| 27000 | 0.001 | | |



TRIAL MODE - Click here for more information

**Downwind 6/4/18**

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 27060 | 0.000 | | | 29880 | 0.000 | | |
| 27120 | 0.000 | | | 29940 | 0.000 | | |
| 27180 | 0.000 | | | 30000 | 0.000 | | |
| 27240 | 0.000 | | | 30060 | 0.000 | | |
| 27300 | 0.000 | | | 30120 | 0.000 | | |
| 27360 | 0.000 | | | 30180 | 0.000 | | |
| 27420 | 0.000 | | | 30240 | 0.000 | | |
| 27480 | 0.000 | | | 30300 | 0.000 | | |
| 27540 | 0.000 | | | 30360 | 0.000 | | |
| 27600 | 0.000 | | | 30420 | 0.000 | | |
| 27660 | 0.000 | | | 30480 | 0.000 | | |
| 27720 | 0.000 | | | 30540 | 0.000 | | |
| 27780 | 0.000 | | | 30600 | 0.000 | | |
| 27840 | 0.000 | | | | | | |
| 27900 | 0.000 | | | | | | |
| 27960 | 0.000 | | | | | | |
| 28020 | 0.000 | | | | | | |
| 28080 | 0.000 | | | | | | |
| 28140 | 0.000 | | | | | | |
| 28200 | 0.000 | | | | | | |
| 28260 | 0.000 | | | | | | |
| 28320 | 0.000 | | | | | | |
| 28380 | 0.000 | | | | | | |
| 28440 | 0.001 | | | | | | |
| 28500 | 0.000 | | | | | | |
| 28560 | 0.000 | | | | | | |
| 28620 | 0.000 | | | | | | |
| 28680 | 0.000 | | | | | | |
| 28740 | 0.001 | | | | | | |
| 28800 | 0.001 | | | | | | |
| 28860 | 0.000 | | | | | | |
| 28920 | 0.000 | | | | | | |
| 28980 | 0.000 | | | | | | |
| 29040 | 0.000 | | | | | | |
| 29100 | 0.000 | | | | | | |
| 29160 | 0.002 | | | | | | |
| 29220 | 0.000 | | | | | | |
| 29280 | 0.000 | | | | | | |
| 29340 | 0.000 | | | | | | |
| 29400 | 0.000 | | | | | | |
| 29460 | 0.000 | | | | | | |
| 29520 | 0.000 | | | | | | |
| 29580 | 0.000 | | | | | | |
| 29640 | 0.000 | | | | | | |
| 29700 | 0.000 | | | | | | |
| 29760 | 0.000 | | | | | | |
| 29820 | 0.000 | | | | | | |



TRIAL MODE - Click here for more information

**Upwind 6/4/18**

| | | | |
|---|---|---|---|
| Instrument Name | DustTrak II | Test Interval [M:S] | 1:00 |
| Model Number | 8530 | Mass Average [mg/m3] | 0.006 |
| Serial Number | 8530120613 | Mass Minimum [mg/m3] | 0 |
| Firmware Version | 3.6 | Mass Maximum [mg/m3] | 0.025 |
| Calibration Date | 7/27/2017 | Mass TWA [mg/m3] | 0 |
| Test Name | MANUAL_001 | Photometric User Cal | 1 |
| Test Start Time | 7:45:48 AM | Flow User Cal | 0 |
| Test Start Date | 6/4/2018 | Errors | Max Concentration |
| Test Length [D:H:M] | 0:23:37 | Number of Samples | 512 |
| Position: | Upwind | | |

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 60 | 0.010 | | | 3360 | 0.004 | | |
| 120 | 0.008 | | | 3420 | 0.004 | | |
| 180 | 0.006 | | | 3480 | 0.004 | | |
| 240 | 0.005 | | | 3540 | 0.004 | | |
| 300 | 0.004 | | | 3600 | 0.004 | | |
| 360 | 0.005 | | | 3660 | 0.004 | | |
| 420 | 0.005 | | | 3720 | 0.007 | | |
| 480 | 0.005 | | | 3780 | 0.005 | | |
| 540 | 0.004 | | | 3840 | 0.005 | | |
| 600 | 0.004 | | | 3900 | 0.005 | | |
| 660 | 0.004 | | | 3960 | 0.005 | | |
| 720 | 0.004 | | | 4020 | 0.005 | | |
| 780 | 0.003 | | | 4080 | 0.007 | | |
| 840 | 0.008 | | | 4140 | 0.007 | | |
| 900 | 0.004 | | | 4200 | 0.006 | | |
| 960 | 0.004 | | | 4260 | 0.005 | | |
| 1020 | 0.004 | | | 4320 | 0.005 | | |
| 1080 | 0.005 | | | 4380 | 0.006 | | |
| 1140 | 0.004 | | | 4440 | 0.005 | | |
| 1200 | 0.003 | | | 4500 | 0.005 | | |
| 1260 | 0.003 | | | 4560 | 0.005 | | |
| 1320 | 0.004 | | | 4620 | 0.025 | | |
| 1380 | 0.004 | | | 4680 | 0.007 | | |
| 1440 | 0.004 | | | 4740 | 0.015 | | |
| 1500 | 0.007 | | | 4800 | 0.005 | | |
| 1560 | 0.004 | | | 4860 | 0.006 | | |
| 1620 | 0.004 | | | 4920 | 0.003 | | |
| 1680 | 0.006 | | | 4980 | 0.004 | | |
| 1740 | 0.004 | | | 5040 | 0.003 | | |
| 1800 | 0.003 | | | 5100 | 0.005 | | |
| 1860 | 0.003 | | | 5160 | 0.009 | | |
| 1920 | 0.005 | | | 5220 | 0.003 | | |
| 1980 | 0.004 | | | 5280 | 0.004 | | |
| 2040 | 0.004 | | | 5340 | 0.005 | | |
| 2100 | 0.004 | | | 5400 | 0.004 | | |
| 2160 | 0.003 | | | 5460 | 0.003 | | |
| 2220 | 0.005 | | | 5520 | 0.004 | | |
| 2280 | 0.005 | | | 5580 | 0.006 | | |
| 2340 | 0.002 | | | 5640 | 0.004 | | |
| 2400 | 0.002 | | | 5700 | 0.003 | | |
| 2460 | 0.002 | | | 5760 | 0.004 | | |
| 2520 | 0.002 | | | 5820 | 0.003 | | |
| 2580 | 0.002 | | | 5880 | 0.004 | | |
| 2640 | 0.001 | | | 5940 | 0.003 | | |
| 2700 | 0.001 | | | 6000 | 0.004 | | |
| 2760 | 0.002 | | | 6060 | 0.003 | | |
| 2820 | 0.002 | | | 6120 | 0.003 | | |
| 2880 | 0.002 | | | 6180 | 0.003 | | |
| 2940 | 0.004 | | | 6240 | 0.005 | | |
| 3000 | 0.002 | | | 6300 | 0.006 | | |
| 3060 | 0.002 | | | 6360 | 0.008 | | |
| 3120 | 0.003 | | | 6420 | 0.005 | | |
| 3180 | 0.003 | | | 6480 | 0.004 | | |
| 3240 | 0.004 | | | 6540 | 0.005 | | |
| 3300 | 0.004 | | | 6600 | 0.005 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 6660 | 0.006 | | | 10560 | 0.002 | | |
| 6720 | 0.005 | | | 10620 | 0.002 | | |
| 6780 | 0.004 | | | 10680 | 0.003 | | |
| 6840 | 0.004 | | | 10740 | 0.005 | | |
| 6900 | 0.003 | | | 10800 | 0.006 | | |
| 6960 | 0.003 | | | 10860 | 0.003 | | |
| 7020 | 0.003 | | | 10920 | 0.001 | | |
| 7080 | 0.005 | | | 10980 | 0.002 | | |
| 7140 | 0.004 | | | 11040 | 0.001 | | |
| 7200 | 0.007 | | | 11100 | 0.001 | | |
| 7260 | 0.005 | | | 11160 | 0.002 | | |
| 7320 | 0.005 | | | 11220 | 0.002 | | |
| 7380 | 0.005 | | | 11280 | 0.003 | | |
| 7440 | 0.007 | | | 11340 | 0.002 | | |
| 7500 | 0.005 | | | 11400 | 0.001 | | |
| 7560 | 0.005 | | | 11460 | 0.001 | | |
| 7620 | 0.005 | | | 11520 | 0.002 | | |
| 7680 | 0.005 | | | 11580 | 0.002 | | |
| 7740 | 0.004 | | | 11640 | 0.002 | | |
| 7800 | 0.004 | | | 11700 | 0.003 | | |
| 7860 | 0.004 | | | 11760 | 0.001 | | |
| 7920 | 0.006 | | | 11820 | 0.003 | | |
| 7980 | 0.006 | | | 11880 | 0.003 | | |
| 8040 | 0.005 | | | 11940 | 0.003 | | |
| 8100 | 0.005 | | | 12000 | 0.007 | | |
| 8160 | 0.004 | | | 12060 | 0.008 | | |
| 8220 | 0.007 | | | 12120 | 0.009 | | |
| 8280 | 0.004 | | | 12180 | 0.003 | | |
| 8340 | 0.004 | | | 12240 | 0.002 | | |
| 8400 | 0.004 | | | 12300 | 0.008 | | |
| 8460 | 0.004 | | | 12360 | 0.003 | | |
| 8520 | 0.003 | | | 12420 | 0.003 | | |
| 8580 | 0.002 | | | 12480 | 0.002 | | |
| 8640 | 0.003 | | | 12540 | 0.001 | | |
| 8700 | 0.004 | | | 12600 | 0.004 | | |
| 8760 | 0.002 | | | 12660 | 0.018 | | |
| 8820 | 0.001 | | | 12720 | 0.004 | | |
| 8880 | 0.001 | | | 12780 | 0.002 | | |
| 8940 | 0.002 | | | 12840 | 0.001 | | |
| 9000 | 0.005 | | | 12900 | 0.001 | | |
| 9060 | 0.004 | | | 12960 | 0.001 | | |
| 9120 | 0.004 | | | 13020 | 0.001 | | |
| 9180 | 0.003 | | | 13080 | 0.001 | | |
| 9240 | 0.004 | | | 13140 | 0.001 | | |
| 9300 | 0.006 | | | 13200 | 0.002 | | |
| 9360 | 0.008 | | | 13260 | 0.001 | | |
| 9420 | 0.005 | | | 13320 | 0.001 | | |
| 9480 | 0.004 | | | 13380 | 0.003 | | |
| 9540 | 0.005 | | | 13440 | 0.004 | | |
| 9600 | 0.003 | | | 13500 | 0.003 | | |
| 9660 | 0.002 | | | 13560 | 0.002 | | |
| 9720 | 0.001 | | | 13620 | 0.003 | | |
| 9780 | 0.002 | | | 13680 | 0.006 | | |
| 9840 | 0.002 | | | 13740 | 0.003 | | |
| 9900 | 0.002 | | | 13800 | 0.005 | | |
| 9960 | 0.001 | | | 13860 | 0.005 | | |
| 10020 | 0.001 | | | 13920 | 0.005 | | |
| 10080 | 0.003 | | | 13980 | 0.003 | | |
| 10140 | 0.005 | | | 14040 | 0.005 | | |
| 10200 | 0.006 | | | 14100 | 0.004 | | |
| 10260 | 0.005 | | | 14160 | 0.005 | | |
| 10320 | 0.004 | | | 14220 | 0.006 | | |
| 10380 | 0.003 | | | 14280 | 0.004 | | |
| 10440 | 0.012 | | | 14340 | 0.003 | | |
| 10500 | 0.003 | | | 14400 | 0.004 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 14460 | 0.005 | | | 18360 | 0.005 | | |
| 14520 | 0.006 | | | 18420 | 0.004 | | |
| 14580 | 0.005 | | | 18480 | 0.004 | | |
| 14640 | 0.004 | | | 18540 | 0.006 | | |
| 14700 | 0.005 | | | 18600 | 0.008 | | |
| 14760 | 0.003 | | | 18660 | 0.004 | | |
| 14820 | 0.003 | | | 18720 | 0.005 | | |
| 14880 | 0.003 | | | 18780 | 0.005 | | |
| 14940 | 0.004 | | | 18840 | 0.005 | | |
| 15000 | 0.004 | | | 18900 | 0.004 | | |
| 15060 | 0.011 | | | 18960 | 0.004 | | |
| 15120 | 0.005 | | | 19020 | 0.005 | | |
| 15180 | 0.007 | | | 19080 | 0.005 | | |
| 15240 | 0.005 | | | 19140 | 0.006 | | |
| 15300 | 0.004 | | | 19200 | 0.005 | | |
| 15360 | 0.005 | | | 19260 | 0.007 | | |
| 15420 | 0.006 | | | 19320 | 0.007 | | |
| 15480 | 0.005 | | | 19380 | 0.004 | | |
| 15540 | 0.005 | | | 19440 | 0.004 | | |
| 15600 | 0.008 | | | 19500 | 0.005 | | |
| 15660 | 0.010 | | | 19560 | 0.006 | | |
| 15720 | 0.007 | | | 19620 | 0.006 | | |
| 15780 | 0.006 | | | 19680 | 0.007 | | |
| 15840 | 0.006 | | | 19740 | 0.006 | | |
| 15900 | 0.006 | | | 19800 | 0.007 | | |
| 15960 | 0.005 | | | 19860 | 0.007 | | |
| 16020 | 0.005 | | | 19920 | 0.007 | | |
| 16080 | 0.004 | | | 19980 | 0.007 | | |
| 16140 | 0.005 | | | 20040 | 0.008 | | |
| 16200 | 0.004 | | | 20100 | 0.017 | | |
| 16260 | 0.003 | | | 20160 | 0.010 | | |
| 16320 | 0.003 | | | 20220 | 0.009 | | |
| 16380 | 0.004 | | | 20280 | 0.016 | | |
| 16440 | 0.004 | | | 20340 | 0.013 | | |
| 16500 | 0.003 | | | 20400 | 0.009 | | |
| 16560 | 0.003 | | | 20460 | 0.008 | | |
| 16620 | 0.003 | | | 20520 | 0.007 | | |
| 16680 | 0.003 | | | 20580 | 0.008 | | |
| 16740 | 0.003 | | | 20640 | 0.007 | | |
| 16800 | 0.003 | | | 20700 | 0.008 | | |
| 16860 | 0.004 | | | 20760 | 0.007 | | |
| 16920 | 0.009 | | | 20820 | 0.007 | | |
| 16980 | 0.007 | | | 20880 | 0.008 | | |
| 17040 | 0.007 | | | 20940 | 0.008 | | |
| 17100 | 0.009 | | | 21000 | 0.007 | | |
| 17160 | 0.009 | | | 21060 | 0.007 | | |
| 17220 | 0.006 | | | 21120 | 0.007 | | |
| 17280 | 0.005 | | | 21180 | 0.009 | | |
| 17340 | 0.006 | | | 21240 | 0.008 | | |
| 17400 | 0.004 | | | 21300 | 0.007 | | |
| 17460 | 0.006 | | | 21360 | 0.007 | | |
| 17520 | 0.009 | | | 21420 | 0.009 | | |
| 17580 | 0.005 | | | 21480 | 0.011 | | |
| 17640 | 0.005 | | | 21540 | 0.009 | | |
| 17700 | 0.005 | | | 21600 | 0.009 | | |
| 17760 | 0.005 | | | 21660 | 0.008 | | |
| 17820 | 0.005 | | | 21720 | 0.009 | | |
| 17880 | 0.004 | | | 21780 | 0.010 | | |
| 17940 | 0.004 | | | 21840 | 0.009 | | |
| 18000 | 0.004 | | | 21900 | 0.010 | | |
| 18060 | 0.021 | | | 21960 | 0.015 | | |
| 18120 | 0.003 | | | 22020 | 0.009 | | |
| 18180 | 0.004 | | | 22080 | 0.009 | | |
| 18240 | 0.004 | | | 22140 | 0.009 | | |
| 18300 | 0.005 | | | 22200 | 0.009 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 22260 | 0.010 | | | 26160 | 0.010 | | |
| 22320 | 0.010 | | | 26220 | 0.010 | | |
| 22380 | 0.011 | | | 26280 | 0.009 | | |
| 22440 | 0.012 | | | 26340 | 0.011 | | |
| 22500 | 0.011 | | | 26400 | 0.011 | | |
| 22560 | 0.010 | | | 26460 | 0.011 | | |
| 22620 | 0.010 | | | 26520 | 0.011 | | |
| 22680 | 0.009 | | | 26580 | 0.009 | | |
| 22740 | 0.011 | | | 26640 | 0.009 | | |
| 22800 | 0.009 | | | 26700 | 0.009 | | |
| 22860 | 0.010 | | | 26760 | 0.011 | | |
| 22920 | 0.009 | | | 26820 | 0.009 | | |
| 22980 | 0.010 | | | 26880 | 0.009 | | |
| 23040 | 0.011 | | | 26940 | 0.009 | | |
| 23100 | 0.008 | | | 27000 | 0.009 | | |
| 23160 | 0.013 | | | 27060 | 0.009 | | |
| 23220 | 0.010 | | | 27120 | 0.010 | | |
| 23280 | 0.010 | | | 27180 | 0.012 | | |
| 23340 | 0.009 | | | 27240 | 0.012 | | |
| 23400 | 0.009 | | | 27300 | 0.013 | | |
| 23460 | 0.010 | | | 27360 | 0.009 | | |
| 23520 | 0.009 | | | 27420 | 0.009 | | |
| 23580 | 0.009 | | | 27480 | 0.009 | | |
| 23640 | 0.011 | | | 27540 | 0.010 | | |
| 23700 | 0.016 | | | 27600 | 0.009 | | |
| 23760 | 0.008 | | | 27660 | 0.009 | | |
| 23820 | 0.008 | | | 27720 | 0.008 | | |
| 23880 | 0.010 | | | 27780 | 0.009 | | |
| 23940 | 0.010 | | | 27840 | 0.009 | | |
| 24000 | 0.010 | | | 27900 | 0.010 | | |
| 24060 | 0.008 | | | 27960 | 0.009 | | |
| 24120 | 0.010 | | | 28020 | 0.008 | | |
| 24180 | 0.011 | | | 28080 | 0.008 | | |
| 24240 | 0.009 | | | 28140 | 0.009 | | |
| 24300 | 0.009 | | | 28200 | 0.009 | | |
| 24360 | 0.018 | | | 28260 | 0.009 | | |
| 24420 | 0.012 | | | 28320 | 0.009 | | |
| 24480 | 0.008 | | | 28380 | 0.009 | | |
| 24540 | 0.008 | | | 28440 | 0.009 | | |
| 24600 | 0.009 | | | 28500 | 0.009 | | |
| 24660 | 0.013 | | | 28560 | 0.008 | | |
| 24720 | 0.017 | | | 28620 | 0.009 | | |
| 24780 | 0.014 | | | 28680 | 0.010 | | |
| 24840 | 0.011 | | | 28740 | 0.013 | | |
| 24900 | 0.008 | | | 28800 | 0.011 | | |
| 24960 | 0.008 | | | 28860 | 0.013 | | |
| 25020 | 0.009 | | | 28920 | 0.010 | | |
| 25080 | 0.008 | | | 28980 | 0.013 | | |
| 25140 | 0.009 | | | 29040 | 0.013 | | |
| 25200 | 0.009 | | | 29100 | 0.010 | | |
| 25260 | 0.008 | | | 29160 | 0.010 | | |
| 25320 | 0.008 | | | 29220 | 0.010 | | |
| 25380 | 0.009 | | | 29280 | 0.010 | | |
| 25440 | 0.011 | | | 29340 | 0.010 | | |
| 25500 | 0.009 | | | 29400 | 0.010 | | |
| 25560 | 0.010 | | | 29460 | 0.011 | | |
| 25620 | 0.014 | | | 29520 | 0.010 | | |
| 25680 | 0.010 | | | 29580 | 0.009 | | |
| 25740 | 0.009 | | | 29640 | 0.010 | | |
| 25800 | 0.009 | | | 29700 | 0.011 | | |
| 25860 | 0.009 | | | 29760 | 0.010 | | |
| 25920 | 0.009 | | | 29820 | 0.009 | | |
| 25980 | 0.011 | | | 29880 | 0.009 | | |
| 26040 | 0.015 | | | 29940 | 0.009 | | |
| 26100 | 0.010 | | | 30000 | 0.009 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|
| 30060 | 0.010 | | |
| 30120 | 0.009 | | |
| 30180 | 0.009 | | |
| 30240 | 0.010 | | |
| 30300 | 0.010 | | |
| 30360 | 0.010 | | |
| 30420 | 0.010 | | |
| 30480 | 0.010 | | |
| 30540 | 0.009 | | |
| 30600 | 0.010 | | |
| 30660 | 0.010 | | |



TRIAL MODE - Click here for more information

# Downwind 6/5/18

| | | | |
|---|---|---|---|
| Instrument Name | DustTrak II | Test Interval [M:S] | 1:00 |
| Model Number | 8530 | Mass Average [mg/m3] | 0.005 |
| Serial Number | 8530122528 | Mass Minimum [mg/m3] | 0 |
| Firmware Version | 3.7 | Mass Maximum [mg/m3] | 0.02 |
| Calibration Date | 2/13/2015 | Mass TWA [mg/m3] | 0.002 |
| Test Name | MANUAL_002 | Photometric User Cal | 1.3 |
| Test Start Time | 12:58:32 PM | Flow User Cal | 0 |
| Test Start Date | 6/5/2018 | Errors | Max Concentration |
| Test Length [D:H:M] | 0:18:03 | Number of Samples | 254 |
| Position | Downwind | **Background: 0.012 mg/m3** | |

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 60 | 0.020 | | | 3000 | 0.004 | | |
| 120 | 0.019 | | | 3060 | 0.005 | | |
| 180 | 0.008 | | | 3120 | 0.005 | | |
| 240 | 0.005 | | | 3180 | 0.005 | | |
| 300 | 0.008 | | | 3240 | 0.003 | | |
| 360 | 0.005 | | | 3300 | 0.003 | | |
| 420 | 0.003 | | | 3360 | 0.004 | | |
| 480 | 0.007 | | | 3420 | 0.004 | | |
| 540 | 0.006 | | | 3480 | 0.005 | | |
| 600 | 0.011 | | | 3540 | 0.005 | | |
| 660 | 0.006 | | | 3600 | 0.005 | | |
| 720 | 0.005 | | | 3660 | 0.005 | | |
| 780 | 0.007 | | | 3720 | 0.004 | | |
| 840 | 0.007 | | | 3780 | 0.003 | | |
| 900 | 0.008 | | | 3840 | 0.004 | | |
| 960 | 0.006 | | | 3900 | 0.004 | | |
| 1020 | 0.004 | | | 3960 | 0.004 | | |
| 1080 | 0.005 | | | 4020 | 0.005 | | |
| 1140 | 0.005 | | | 4080 | 0.005 | | |
| 1200 | 0.006 | | | 4140 | 0.007 | | |
| 1260 | 0.005 | | | 4200 | 0.005 | | |
| 1320 | 0.006 | | | 4260 | 0.007 | | |
| 1380 | 0.006 | | | 4320 | 0.006 | | |
| 1440 | 0.003 | | | 4380 | 0.005 | | |
| 1500 | 0.004 | | | 4440 | 0.006 | | |
| 1560 | 0.006 | | | 4500 | 0.006 | | |
| 1620 | 0.005 | | | 4560 | 0.007 | | |
| 1680 | 0.007 | | | 4620 | 0.006 | | |
| 1740 | 0.006 | | | 4680 | 0.008 | | |
| 1800 | 0.008 | | | 4740 | 0.005 | | |
| 1860 | 0.008 | | | 4800 | 0.006 | | |
| 1920 | 0.006 | | | 4860 | 0.007 | | |
| 1980 | 0.007 | | | 4920 | 0.005 | | |
| 2040 | 0.012 | | | 4980 | 0.006 | | |
| 2100 | 0.012 | | | 5040 | 0.006 | | |
| 2160 | 0.009 | | | 5100 | 0.004 | | |
| 2220 | 0.010 | | | 5160 | 0.005 | | |
| 2280 | 0.008 | | | 5220 | 0.006 | | |
| 2340 | 0.006 | | | 5280 | 0.007 | | |
| 2400 | 0.009 | | | 5340 | 0.006 | | |
| 2460 | 0.007 | | | 5400 | 0.006 | | |
| 2520 | 0.007 | | | 5460 | 0.006 | | |
| 2580 | 0.007 | | | 5520 | 0.007 | | |
| 2640 | 0.007 | | | 5580 | 0.007 | | |
| 2700 | 0.004 | | | 5640 | 0.007 | | |
| 2760 | 0.007 | | | 5700 | 0.006 | | |
| 2820 | 0.009 | | | 5760 | 0.006 | | |
| 2880 | 0.004 | | | 5820 | 0.006 | | |
| 2940 | 0.003 | | | 5880 | 0.006 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 5940 | 0.006 | | | 9480 | 0.004 | | |
| 6000 | 0.006 | | | 9540 | 0.002 | | |
| 6060 | 0.005 | | | 9600 | 0.003 | | |
| 6120 | 0.006 | | | 9660 | 0.004 | | |
| 6180 | 0.007 | | | 9720 | 0.006 | | |
| 6240 | 0.005 | | | 9780 | 0.005 | | |
| 6300 | 0.005 | | | 9840 | 0.008 | | |
| 6360 | 0.006 | | | 9900 | 0.015 | | |
| 6420 | 0.006 | | | 9960 | 0.003 | | |
| 6480 | 0.007 | | | 10020 | 0.003 | | |
| 6540 | 0.007 | | | 10080 | 0.004 | | |
| 6600 | 0.008 | | | 10140 | 0.005 | | |
| 6660 | 0.007 | | | 10200 | 0.005 | | |
| 6720 | 0.011 | | | 10260 | 0.004 | | |
| 6780 | 0.008 | | | 10320 | 0.003 | | |
| 6840 | 0.009 | | | 10380 | 0.003 | | |
| 6900 | 0.004 | | | 10440 | 0.003 | | |
| 6960 | 0.005 | | | 10500 | 0.004 | | |
| 7020 | 0.007 | | | 10560 | 0.002 | | |
| 7080 | 0.010 | | | 10620 | 0.003 | | |
| 7140 | 0.007 | | | 10680 | 0.003 | | |
| 7200 | 0.007 | | | 10740 | 0.003 | | |
| 7260 | 0.007 | | | 10800 | 0.003 | | |
| 7320 | 0.007 | | | 10860 | 0.005 | | |
| 7380 | 0.006 | | | 10920 | 0.005 | | |
| 7440 | 0.004 | | | 10980 | 0.005 | | |
| 7500 | 0.004 | | | 11040 | 0.004 | | |
| 7560 | 0.005 | | | 11100 | 0.004 | | |
| 7620 | 0.005 | | | 11160 | 0.003 | | |
| 7680 | 0.006 | | | 11220 | 0.003 | | |
| 7740 | 0.008 | | | 11280 | 0.003 | | |
| 7800 | 0.006 | | | 11340 | 0.003 | | |
| 7860 | 0.005 | | | 11400 | 0.003 | | |
| 7920 | 0.004 | | | 11460 | 0.003 | | |
| 7980 | 0.004 | | | 11520 | 0.002 | | |
| 8040 | 0.006 | | | 11580 | 0.002 | | |
| 8100 | 0.007 | | | 11640 | 0.003 | | |
| 8160 | 0.006 | | | 11700 | 0.002 | | |
| 8220 | 0.004 | | | 11760 | 0.003 | | |
| 8280 | 0.006 | | | 11820 | 0.002 | | |
| 8340 | 0.006 | | | 11880 | 0.002 | | |
| 8400 | 0.005 | | | 11940 | 0.003 | | |
| 8460 | 0.005 | | | 12000 | 0.002 | | |
| 8520 | 0.004 | | | 12060 | 0.003 | | |
| 8580 | 0.005 | | | 12120 | 0.004 | | |
| 8640 | 0.003 | | | 12180 | 0.003 | | |
| 8700 | 0.004 | | | 12240 | 0.003 | | |
| 8760 | 0.006 | | | 12300 | 0.004 | | |
| 8820 | 0.004 | | | 12360 | 0.003 | | |
| 8880 | 0.003 | | | 12420 | 0.003 | | |
| 8940 | 0.005 | | | 12480 | 0.005 | | |
| 9000 | 0.003 | | | 12540 | 0.003 | | |
| 9060 | 0.003 | | | 12600 | 0.003 | | |
| 9120 | 0.004 | | | 12660 | 0.003 | | |
| 9180 | 0.004 | | | 12720 | 0.004 | | |
| 9240 | 0.004 | | | 12780 | 0.004 | | |
| 9300 | 0.004 | | | 12840 | 0.002 | | |
| 9360 | 0.003 | | | 12900 | 0.003 | | |
| 9420 | 0.003 | | | 12960 | 0.002 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|
| 13020 | 0.001 | | |
| 13080 | 0.003 | | |
| 13140 | 0.003 | | |
| 13200 | 0.001 | | |
| 13260 | 0.002 | | |
| 13320 | 0.001 | | |
| 13380 | 0.001 | | |
| 13440 | 0.001 | | |
| 13500 | 0.001 | | |
| 13560 | 0.001 | | |
| 13620 | 0.002 | | |
| 13680 | 0.002 | | |
| 13740 | 0.001 | | |
| 13800 | 0.002 | | |
| 13860 | 0.001 | | |
| 13920 | 0.001 | | |
| 13980 | 0.001 | | |
| 14040 | 0.000 | | |
| 14100 | 0.000 | | |
| 14160 | 0.000 | | |
| 14220 | 0.000 | | |
| 14280 | 0.000 | | |
| 14340 | 0.001 | | |
| 14400 | 0.000 | | |
| 14460 | 0.000 | | |
| 14520 | 0.000 | | |
| 14580 | 0.000 | | |
| 14640 | 0.001 | | |
| 14700 | 0.000 | | |
| 14760 | 0.000 | | |
| 14820 | 0.001 | | |
| 14880 | 0.001 | | |
| 14940 | 0.001 | | |
| 15000 | 0.001 | | |
| 15060 | 0.000 | | |
| 15120 | 0.002 | | |
| 15180 | 0.001 | | |



TRIAL MODE - Click here for more information

**Upwind 6/5/18**

| | | | |
|---|---|---|---|
| Instrument Name | DustTrak II | Test Interval [M:S] | 1:00 |
| Model Number | 8530 | Mass Average [mg/m3] | 0.015 |
| Serial Number | 8530120613 | Mass Minimum [mg/m3] | 0 |
| Firmware Version | 3.6 | Mass Maximum [mg/m3] | 0.059 |
| Calibration Date | 7/27/2017 | Mass TWA [mg/m3] | 0 |
| Test Name | MANUAL_002 | Photometric User Cal | 1 |
| Test Start Time | 7:25:07 AM | Flow User Cal | 0 |
| Test Start Date | 6/5/2018 | Errors | Max Concentration |
| Test Length [D:H:M] | 0:23:26 | Number of Samples | 585 |
| Position | Upwind | | |

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 60 | 0.015 | | | 2880 | 0.014 | | |
| 120 | 0.017 | | | 2940 | 0.015 | | |
| 180 | 0.020 | | | 3000 | 0.016 | | |
| 240 | 0.015 | | | 3060 | 0.011 | | |
| 300 | 0.013 | | | 3120 | 0.012 | | |
| 360 | 0.012 | | | 3180 | 0.010 | | |
| 420 | 0.011 | | | 3240 | 0.010 | | |
| 480 | 0.016 | | | 3300 | 0.010 | | |
| 540 | 0.015 | | | 3360 | 0.012 | | |
| 600 | 0.012 | | | 3420 | 0.014 | | |
| 660 | 0.013 | | | 3480 | 0.013 | | |
| 720 | 0.012 | | | 3540 | 0.013 | | |
| 780 | 0.012 | | | 3600 | 0.013 | | |
| 840 | 0.013 | | | 3660 | 0.009 | | |
| 900 | 0.016 | | | 3720 | 0.012 | | |
| 960 | 0.015 | | | 3780 | 0.010 | | |
| 1020 | 0.014 | | | 3840 | 0.010 | | |
| 1080 | 0.017 | | | 3900 | 0.011 | | |
| 1140 | 0.017 | | | 3960 | 0.012 | | |
| 1200 | 0.015 | | | 4020 | 0.013 | | |
| 1260 | 0.012 | | | 4080 | 0.012 | | |
| 1320 | 0.014 | | | 4140 | 0.012 | | |
| 1380 | 0.012 | | | 4200 | 0.014 | | |
| 1440 | 0.010 | | | 4260 | 0.013 | | |
| 1500 | 0.010 | | | 4320 | 0.012 | | |
| 1560 | 0.011 | | | 4380 | 0.012 | | |
| 1620 | 0.011 | | | 4440 | 0.017 | | |
| 1680 | 0.013 | | | 4500 | 0.013 | | |
| 1740 | 0.014 | | | 4560 | 0.011 | | |
| 1800 | 0.013 | | | 4620 | 0.010 | | |
| 1860 | 0.014 | | | 4680 | 0.010 | | |
| 1920 | 0.015 | | | 4740 | 0.012 | | |
| 1980 | 0.015 | | | 4800 | 0.011 | | |
| 2040 | 0.018 | | | 4860 | 0.011 | | |
| 2100 | 0.016 | | | 4920 | 0.012 | | |
| 2160 | 0.017 | | | 4980 | 0.013 | | |
| 2220 | 0.020 | | | 5040 | 0.014 | | |
| 2280 | 0.021 | | | 5100 | 0.012 | | |
| 2340 | 0.027 | | | 5160 | 0.011 | | |
| 2400 | 0.018 | | | 5220 | 0.011 | | |
| 2460 | 0.020 | | | 5280 | 0.010 | | |
| 2520 | 0.020 | | | 5340 | 0.010 | | |
| 2580 | 0.013 | | | 5400 | 0.009 | | |
| 2640 | 0.012 | | | 5460 | 0.011 | | |
| 2700 | 0.014 | | | 5520 | 0.009 | | |
| 2760 | 0.015 | | | 5580 | 0.019 | | |
| 2820 | 0.012 | | | 5640 | 0.015 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 5700 | 0.017 | | | 9120 | 0.013 | | |
| 5760 | 0.011 | | | 9180 | 0.017 | | |
| 5820 | 0.010 | | | 9240 | 0.019 | | |
| 5880 | 0.010 | | | 9300 | 0.017 | | |
| 5940 | 0.010 | | | 9360 | 0.025 | | |
| 6000 | 0.010 | | | 9420 | 0.012 | | |
| 6060 | 0.011 | | | 9480 | 0.028 | | |
| 6120 | 0.014 | | | 9540 | 0.040 | | |
| 6180 | 0.010 | | | 9600 | 0.038 | | |
| 6240 | 0.009 | | | 9660 | 0.045 | | |
| 6300 | 0.009 | | | 9720 | 0.024 | | |
| 6360 | 0.012 | | | 9780 | 0.025 | | |
| 6420 | 0.011 | | | 9840 | 0.024 | | |
| 6480 | 0.013 | | | 9900 | 0.033 | | |
| 6540 | 0.013 | | | 9960 | 0.040 | | |
| 6600 | 0.012 | | | 10020 | 0.035 | | |
| 6660 | 0.012 | | | 10080 | 0.027 | | |
| 6720 | 0.015 | | | 10140 | 0.027 | | |
| 6780 | 0.013 | | | 10200 | 0.013 | | |
| 6840 | 0.013 | | | 10260 | 0.013 | | |
| 6900 | 0.011 | | | 10320 | 0.028 | | |
| 6960 | 0.011 | | | 10380 | 0.017 | | |
| 7020 | 0.012 | | | 10440 | 0.012 | | |
| 7080 | 0.022 | | | 10500 | 0.013 | | |
| 7140 | 0.017 | | | 10560 | 0.013 | | |
| 7200 | 0.013 | | | 10620 | 0.017 | | |
| 7260 | 0.013 | | | 10680 | 0.019 | | |
| 7320 | 0.016 | | | 10740 | 0.011 | | |
| 7380 | 0.012 | | | 10800 | 0.013 | | |
| 7440 | 0.012 | | | 10860 | 0.011 | | |
| 7500 | 0.012 | | | 10920 | 0.010 | | |
| 7560 | 0.013 | | | 10980 | 0.020 | | |
| 7620 | 0.017 | | | 11040 | 0.023 | | |
| 7680 | 0.016 | | | 11100 | 0.024 | | |
| 7740 | 0.011 | | | 11160 | 0.028 | | |
| 7800 | 0.012 | | | 11220 | 0.011 | | |
| 7860 | 0.025 | | | 11280 | 0.010 | | |
| 7920 | 0.015 | | | 11340 | 0.010 | | |
| 7980 | 0.019 | | | 11400 | 0.009 | | |
| 8040 | 0.020 | | | 11460 | 0.011 | | |
| 8100 | 0.021 | | | 11520 | 0.014 | | |
| 8160 | 0.033 | | | 11580 | 0.011 | | |
| 8220 | 0.017 | | | 11640 | 0.014 | | |
| 8280 | 0.012 | | | 11700 | 0.017 | | |
| 8340 | 0.014 | | | 11760 | 0.018 | | |
| 8400 | 0.010 | | | 11820 | 0.023 | | |
| 8460 | 0.020 | | | 11880 | 0.017 | | |
| 8520 | 0.026 | | | 11940 | 0.011 | | |
| 8580 | 0.022 | | | 12000 | 0.009 | | |
| 8640 | 0.037 | | | 12060 | 0.009 | | |
| 8700 | 0.035 | | | 12120 | 0.009 | | |
| 8760 | 0.029 | | | 12180 | 0.012 | | |
| 8820 | 0.035 | | | 12240 | 0.009 | | |
| 8880 | 0.017 | | | 12300 | 0.011 | | |
| 8940 | 0.025 | | | 12360 | 0.013 | | |
| 9000 | 0.036 | | | 12420 | 0.014 | | |
| 9060 | 0.020 | | | 12480 | 0.012 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|
| 12540 | 0.013 | | |
| 12600 | 0.010 | | |
| 12660 | 0.012 | | |
| 12720 | 0.011 | | |
| 12780 | 0.011 | | |
| 12840 | 0.016 | | |
| 12900 | 0.016 | | |
| 12960 | 0.016 | | |
| 13020 | 0.014 | | |
| 13080 | 0.022 | | |
| 13140 | 0.018 | | |
| 13200 | 0.009 | | |
| 13260 | 0.011 | | |
| 13320 | 0.012 | | |
| 13380 | 0.013 | | |
| 13440 | 0.013 | | |
| 13500 | 0.013 | | |
| 13560 | 0.014 | | |
| 13620 | 0.026 | | |
| 13680 | 0.012 | | |
| 13740 | 0.015 | | |
| 13800 | 0.015 | | |
| 13860 | 0.019 | | |
| 13920 | 0.027 | | |
| 13980 | 0.031 | | |
| 14040 | 0.022 | | |
| 14100 | 0.013 | | |
| 14160 | 0.016 | | |
| 14220 | 0.017 | | |
| 14280 | 0.033 | | |
| 14340 | 0.043 | | |
| 14400 | 0.027 | | |
| 14460 | 0.017 | | |
| 14520 | 0.022 | | |
| 14580 | 0.016 | | |
| 14640 | 0.013 | | |
| 14700 | Equipment did not record data | | |
| 14760 | Equipment did not record data | | |
| 14820 | Equipment did not record data | | |
| 14880 | Equipment did not record data | | |
| 14940 | Equipment did not record data | | |
| 15000 | Equipment did not record data | | |
| 15060 | Equipment did not record data | | |
| 15120 | Equipment did not record data | | |
| 15180 | Equipment did not record data | | |
| 15240 | Equipment did not record data | | |
| 15300 | Equipment did not record data | | |
| 15360 | Equipment did not record data | | |
| 15420 | Equipment did not record data | | |
| 15480 | Equipment did not record data | | |
| 15540 | Equipment did not record data | | |
| 15600 | Equipment did not record data | | |
| 15660 | Equipment did not record data | | |
| 15720 | Equipment did not record data | | |
| 15780 | Equipment did not record data | | |
| 15840 | Equipment did not record data | | |
| 15900 | Equipment did not record data | | |
| 15960 | Equipment did not record data | | |
| 16020 | Equipment did not record data | | |
| 16080 | Equipment did not record data | | |
| 16140 | Equipment did not record data | | |
| 16200 | Equipment did not record data | | |
| 16260 | Equipment did not record data | | |
| 16320 | Equipment did not record data | | |
| 16380 | Equipment did not record data | | |
| 16440 | Equipment did not record data | | |
| 16500 | Equipment did not record data | | |
| 16560 | Equipment did not record data | | |
| 16620 | Equipment did not record data | | |
| 16680 | Equipment did not record data | | |
| 16740 | Equipment did not record data | | |
| 16800 | Equipment did not record data | | |
| 16860 | Equipment did not record data | | |
| 16920 | Equipment did not record data | | |
| 16980 | Equipment did not record data | | |
| 17040 | Equipment did not record data | | |
| 17100 | Equipment did not record data | | |
| 17160 | Equipment did not record data | | |
| 17220 | Equipment did not record data | | |
| 17280 | Equipment did not record data | | |
| 17340 | Equipment did not record data | | |
| 17400 | Equipment did not record data | | |
| 17460 | Equipment did not record data | | |
| 17520 | Equipment did not record data | | |
| 17580 | Equipment did not record data | | |
| 17640 | Equipment did not record data | | |
| 17700 | Equipment did not record data | | |
| 17760 | Equipment did not record data | | |
| 17820 | Equipment did not record data | | |
| 17880 | Equipment did not record data | | |
| 17940 | Equipment did not record data | | |
| 18000 | Equipment did not record data | | |
| 18060 | Equipment did not record data | | |
| 18120 | Equipment did not record data | | |
| 18180 | Equipment did not record data | | |
| 18240 | Equipment did not record data | | |
| 18300 | Equipment did not record data | | |
| 18360 | 0.020 | | |
| 18420 | 0.021 | | |
| 18480 | 0.012 | | |
| 18540 | 0.012 | | |
| 18600 | 0.014 | | |
| 18660 | 0.012 | | |
| 18720 | 0.013 | | |
| 18780 | 0.022 | | |
| 18840 | 0.021 | | |
| 18900 | 0.018 | | |
| 18960 | 0.014 | | |
| 19020 | 0.013 | | |
| 19080 | 0.013 | | |
| 19140 | 0.011 | | |
| 19200 | 0.012 | | |
| 19260 | 0.010 | | |
| 19320 | 0.010 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 19380 | 0.013 | | | 22800 | 0.059 | | |
| 19440 | 0.011 | | | 22860 | 0.043 | | |
| 19500 | 0.010 | | | 22920 | 0.012 | | |
| 19560 | 0.013 | | | 22980 | 0.011 | | |
| 19620 | 0.011 | | | 23040 | 0.011 | | |
| 19680 | 0.011 | | | 23100 | 0.024 | | |
| 19740 | 0.011 | | | 23160 | 0.013 | | |
| 19800 | 0.012 | | | 23220 | 0.018 | | |
| 19860 | 0.013 | | | 23280 | 0.013 | | |
| 19920 | 0.014 | | | 23340 | 0.011 | | |
| 19980 | 0.009 | | | 23400 | 0.011 | | |
| 20040 | 0.018 | | | 23460 | 0.010 | | |
| 20100 | 0.018 | | | 23520 | 0.010 | | |
| 20160 | 0.021 | | | 23580 | 0.011 | | |
| 20220 | 0.014 | | | 23640 | 0.013 | | |
| 20280 | 0.017 | | | 23700 | 0.013 | | |
| 20340 | 0.019 | | | 23760 | 0.014 | | |
| 20400 | 0.012 | | | 23820 | 0.010 | | |
| 20460 | 0.010 | | | 23880 | 0.012 | | |
| 20520 | 0.013 | | | 23940 | 0.010 | | |
| 20580 | 0.012 | | | 24000 | 0.010 | | |
| 20640 | 0.025 | | | 24060 | 0.012 | | |
| 20700 | 0.019 | | | 24120 | 0.022 | | |
| 20760 | 0.014 | | | 24180 | 0.016 | | |
| 20820 | 0.014 | | | 24240 | 0.013 | | |
| 20880 | 0.014 | | | 24300 | 0.023 | | |
| 20940 | 0.015 | | | 24360 | 0.012 | | |
| 21000 | 0.016 | | | 24420 | 0.012 | | |
| 21060 | 0.017 | | | 24480 | 0.013 | | |
| 21120 | 0.012 | | | 24540 | 0.013 | | |
| 21180 | 0.012 | | | 24600 | 0.013 | | |
| 21240 | 0.014 | | | 24660 | 0.015 | | |
| 21300 | 0.015 | | | 24720 | 0.013 | | |
| 21360 | 0.012 | | | 24780 | 0.013 | | |
| 21420 | 0.022 | | | 24840 | 0.014 | | |
| 21480 | 0.012 | | | 24900 | 0.012 | | |
| 21540 | 0.012 | | | 24960 | 0.013 | | |
| 21600 | 0.012 | | | 25020 | 0.017 | | |
| 21660 | 0.014 | | | 25080 | 0.026 | | |
| 21720 | 0.014 | | | 25140 | 0.012 | | |
| 21780 | 0.015 | | | 25200 | 0.016 | | |
| 21840 | 0.018 | | | 25260 | 0.014 | | |
| 21900 | 0.017 | | | 25320 | 0.017 | | |
| 21960 | 0.015 | | | 25380 | 0.012 | | |
| 22020 | 0.025 | | | 25440 | 0.013 | | |
| 22080 | 0.036 | | | 25500 | 0.016 | | |
| 22140 | 0.040 | | | 25560 | 0.015 | | |
| 22200 | 0.026 | | | 25620 | 0.016 | | |
| 22260 | 0.022 | | | 25680 | 0.021 | | |
| 22320 | 0.038 | | | 25740 | 0.014 | | |
| 22380 | 0.020 | | | 25800 | 0.014 | | |
| 22440 | 0.027 | | | 25860 | 0.015 | | |
| 22500 | 0.017 | | | 25920 | 0.012 | | |
| 22560 | 0.019 | | | 25980 | 0.014 | | |
| 22620 | 0.015 | | | 26040 | 0.013 | | |
| 22680 | 0.026 | | | 26100 | 0.012 | | |
| 22740 | 0.023 | | | 26160 | 0.013 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors | Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|---|---|---|---|
| 26220 | 0.012 | | | 29640 | 0.009 | | |
| 26280 | 0.013 | | | 29700 | 0.011 | | |
| 26340 | 0.013 | | | 29760 | 0.011 | | |
| 26400 | 0.012 | | | 29820 | 0.009 | | |
| 26460 | 0.013 | | | 29880 | 0.011 | | |
| 26520 | 0.014 | | | 29940 | 0.013 | | |
| 26580 | 0.015 | | | 30000 | 0.013 | | |
| 26640 | 0.019 | | | 30060 | 0.012 | | |
| 26700 | 0.013 | | | 30120 | 0.011 | | |
| 26760 | 0.018 | | | 30180 | 0.011 | | |
| 26820 | 0.022 | | | 30240 | 0.013 | | |
| 26880 | 0.018 | | | 30300 | 0.012 | | |
| 26940 | 0.011 | | | 30360 | 0.011 | | |
| 27000 | 0.015 | | | 30420 | 0.012 | | |
| 27060 | 0.036 | | | 30480 | 0.014 | | |
| 27120 | 0.025 | | | 30540 | 0.014 | | |
| 27180 | 0.015 | | | 30600 | 0.011 | | |
| 27240 | 0.014 | | | 30660 | 0.014 | | |
| 27300 | 0.015 | | | 30720 | 0.011 | | |
| 27360 | 0.012 | | | 30780 | 0.012 | | |
| 27420 | 0.012 | | | 30840 | 0.014 | | |
| 27480 | 0.012 | | | 30900 | 0.018 | | |
| 27540 | 0.015 | | | 30960 | 0.016 | | |
| 27600 | 0.013 | | | 31020 | 0.019 | | |
| 27660 | 0.012 | | | 31080 | 0.014 | | |
| 27720 | 0.014 | | | 31140 | 0.017 | | |
| 27780 | 0.013 | | | 31200 | 0.029 | | |
| 27840 | 0.013 | | | 31260 | 0.022 | | |
| 27900 | 0.012 | | | 31320 | 0.013 | | |
| 27960 | 0.010 | | | 31380 | 0.016 | | |
| 28020 | 0.010 | | | 31440 | 0.013 | | |
| 28080 | 0.011 | | | 31500 | 0.011 | | |
| 28140 | 0.012 | | | 31560 | 0.010 | | |
| 28200 | 0.013 | | | 31620 | 0.010 | | |
| 28260 | 0.010 | | | 31680 | 0.010 | | |
| 28320 | 0.012 | | | 31740 | 0.011 | | |
| 28380 | 0.013 | | | 31800 | 0.013 | | |
| 28440 | 0.011 | | | 31860 | 0.011 | | |
| 28500 | 0.012 | | | 31920 | 0.010 | | |
| 28560 | 0.011 | | | 31980 | 0.010 | | |
| 28620 | 0.011 | | | 32040 | 0.011 | | |
| 28680 | 0.009 | | | 32100 | 0.011 | | |
| 28740 | 0.010 | | | 32160 | 0.013 | | |
| 28800 | 0.011 | | | 32220 | 0.014 | | |
| 28860 | 0.011 | | | 32280 | 0.013 | | |
| 28920 | 0.011 | | | 32340 | 0.012 | | |
| 28980 | 0.016 | | | 32400 | 0.010 | | |
| 29040 | 0.011 | | | 32460 | 0.012 | | |
| 29100 | 0.011 | | | 32520 | 0.013 | | |
| 29160 | 0.017 | | | 32580 | 0.011 | | |
| 29220 | 0.011 | | | 32640 | 0.012 | | |
| 29280 | 0.013 | | | 32700 | 0.013 | | |
| 29340 | 0.012 | | | 32760 | 0.012 | | |
| 29400 | 0.010 | | | 32820 | 0.012 | | |
| 29460 | 0.010 | | | 32880 | 0.011 | | |
| 29520 | 0.010 | | | 32940 | 0.012 | | |
| 29580 | 0.009 | | | 33000 | 0.010 | | |



TRIAL MODE - Click here for more information

| Elapsed Time [s] | Mass [mg/m3] | Alarms | Errors |
|---|---|---|---|
| 33060 | 0.009 | | |
| 33120 | 0.014 | | |
| 33180 | 0.010 | | |
| 33240 | 0.011 | | |
| 33300 | 0.010 | | |
| 33360 | 0.011 | | |
| 33420 | 0.011 | | |
| 33480 | 0.011 | | |
| 33540 | 0.008 | | |
| 33600 | 0.015 | | |
| 33660 | 0.012 | | |
| 33720 | 0.013 | | |
| 33780 | 0.013 | | |
| 33840 | 0.010 | | |
| 33900 | 0.010 | | |
| 33960 | 0.014 | | |
| 34020 | 0.013 | | |
| 34080 | 0.009 | | |
| 34140 | 0.017 | | |
| 34200 | 0.012 | | |
| 34260 | 0.009 | | |
| 34320 | 0.007 | | |
| 34380 | 0.008 | | |
| 34440 | 0.009 | | |
| 34500 | 0.009 | | |
| 34560 | 0.008 | | |
| 34620 | 0.010 | | |
| 34680 | 0.010 | | |
| 34740 | 0.009 | | |
| 34800 | 0.010 | | |
| 34860 | 0.011 | | |
| 34920 | 0.010 | | |
| 34980 | 0.009 | | |
| 35040 | 0.011 | | |



TRIAL MODE - Click here for more information

# APPENDIX C

# Laboratory Data Packages

TRIAL MODE - Click here for more information

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1820814 |
| Client: | Laurel Environmental Associates, LTD<br>53 West Hills Road<br>Suite 1<br>Huntington Station, NY 11746 |
| ATTN: | Scott Yanuck |
| Phone: | (631) 673-0612 |
| Project Name: | 480 FLUSHING AVE. |
| Project Number: | 17-310 |
| Report Date: | 06/18/18 |

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



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L1820814-01 | SB-1A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 13:45 | 06/05/18 |
| L1820814-02 | SB-2A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 15:05 | 06/05/18 |
| L1820814-03 | SB-3A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 10:55 | 06/05/18 |
| L1820814-04 | SB-4A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 09:45 | 06/05/18 |
| L1820814-05 | SB-5A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 11:40 | 06/05/18 |
| L1820814-06 | SB-6A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 14:00 | 06/05/18 |
| L1820814-07 | SB-7A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 12:10 | 06/05/18 |
| L1820814-08 | SB-8A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 12:25 | 06/05/18 |
| L1820814-09 | SB-1B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 13:50 | 06/05/18 |
| L1820814-10 | SB-2B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 15:15 | 06/05/18 |
| L1820814-11 | SB-3B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 11:10 | 06/05/18 |
| L1820814-12 | SB-4B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 10:10 | 06/05/18 |
| L1820814-13 | SB-5B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 11:50 | 06/05/18 |
| L1820814-14 | SB-6B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 14:10 | 06/05/18 |
| L1820814-15 | SB-7B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 12:15 | 06/05/18 |
| L1820814-16 | SB-8B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 12:30 | 06/05/18 |
| L1820814-17 | DUP-1 | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 07:33 | 06/05/18 |
| L1820814-18 | DUP-2 | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 07:54 | 06/05/18 |
| L1820814-19 | MW-A | WATER | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 16:00 | 06/05/18 |
| L1820814-20 | MW-B | WATER | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 13:30 | 06/05/18 |
| L1820814-21 | MW-C | WATER | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 10:00 | 06/05/18 |
| L1820814-22 | GW-DUP | WATER | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 11:50 | 06/05/18 |
| L1820814-23 | GW-MS | WATER | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 14:25 | 06/05/18 |
| L1820814-24 | GW-MSD | WATER | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 15:00 | 06/05/18 |

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| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L1820814-25 | MS-1 | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 08:13 | 06/05/18 |
| L1820814-26 | MSD-2 | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 08:42 | 06/05/18 |
| L1820814-27 | MSD-1 | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 16:05 | 06/05/18 |
| L1820814-28 | MS-2 | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 16:15 | 06/05/18 |
| L1820814-29 | SS-1A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 08:30 | 06/05/18 |
| L1820814-30 | SS-2A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 09:08 | 06/05/18 |
| L1820814-31 | SS-3A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 09:45 | 06/05/18 |
| L1820814-32 | SS-4A | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 10:20 | 06/05/18 |
| L1820814-33 | SS-1B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 08:40 | 06/05/18 |
| L1820814-34 | SS-2B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 09:20 | 06/05/18 |
| L1820814-35 | SS-3B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 09:55 | 06/05/18 |
| L1820814-36 | SS-4B | SOIL | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 10:40 | 06/05/18 |
| L1820814-37 | FIELD BLANK | WATER | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 08:30 | 06/05/18 |
| L1820814-38 | FIELD BLANK | WATER | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 09:10 | 06/05/18 |
| L1820814-39 | TRIP BLANK | WATER | 480 FLUSHING AVE., BROOKLYN, NY | 06/05/18 09:10 | 06/05/18 |

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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



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**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814
**Project Number:** 17-310 **Report Date:** 06/18/18

**Case Narrative (continued)**

Report Submission

June 18, 2018: This final report includes the results of all requested analyses.

June 13, 2018: This is a preliminary report.

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

Sample Receipt

L1820814-20, -35, and -36: At the client's request, the MS/MSDs were performed on these samples.

L1820814-29: A sample identified as "SS-1A" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

L1820814-30: A sample identified as "SS-2A" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

L1820814-31: A sample identified as "SS-3A" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

L1820814-32: A sample identified as "SS-4A" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

L1820814-33: A sample identified as "SS-1B" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

L1820814-34: A sample identified as "SS-2B" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

L1820814-35: A sample identified as "SS-3B" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

L1820814-36: A sample identified as "SS-4B" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

L1820814-37: A sample identified as "FIELD BLANK" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

L1820814-38: A sample identified as "FIELD BLANK" was received but not listed on the Chain of Custody. At



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**Case Narrative (continued)**

the client's request, this sample was analyzed.
L1820814-39: A sample identified as "TRIP BLANK" was received but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

Volatile Organics
The WG1124998-6/-7 MS/MSD recoveries, performed on L1820814-20, are outside the acceptance criteria for tetrachloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

Semivolatile Organics
L1820814-05: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.
The WG1124214-4/-5 MS/MSD recoveries, performed on L1820814-35, are below the acceptance criteria for fluoranthene (MS 0%), benzo(a)anthracene (MS 0%), benzo(a)pyrene (MS 7%), benzo(b)fluoranthene (MS 0%), chrysene (MS 0%), phenanthrene (MS 0%), pyrene (MS 0%), 2,4-dinitrophenol (0%/0%), 4,6-dinitro-o-cresol (MS 0%), and benzoic acid (0%/0%) due to the concentrations of these compounds falling below the reported detection limits.
The WG1124214-6/-7 MS/MSD recoveries, performed on L1820814-36, are below the acceptance criteria for 3,3'-dichlorobenzidine (0%/0%), 2,4-dinitrophenol (0%/0%), 4,6-dinitro-o-cresol (MSD 0%), and benzoic acid (0%/0%) due to the concentrations of these compounds falling below the reported detection limits.
The WG1124214-6/-7 MS/MSD recoveries, performed on L1820814-36, are outside the acceptance criteria for fluoranthene (0%/0%), benzo(a)anthracene (0%/0%), benzo(a)pyrene (0%/0%), benzo(b)fluoranthene (0%/0%), chrysene (0%/0%), phenanthrene (0%/0%), and pyrene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

Perfluorinated Alkyl Acids by Isotope Dilution



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**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814
**Project Number:** 17-310 **Report Date:** 06/18/18

**Case Narrative (continued)**

L1820814, WG1124581, WG1126304: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
The WG1127030-2 closing continuing calibration standard had the response for Perfluorodecanesulfonic Acid (PFDS) (66.9%D) below the acceptance criteria. The results are reported; however, all results are considered to have a potentially low bias for this target compound.

Pesticides
L1820814-01, -05, and -16: The sample has elevated detection limits due to the dilution required by the sample matrix.
L1820814-05 and -16: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Total Metals
L1820814-01 through -18 and -29 through -36: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
L1820814-37: The Field Blank has results for aluminum, barium, and calcium present above the reporting limits. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.
L1820814-38: The Field Blank has a result for barium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.
The WG1124278-3 MS recovery for manganese (147%), performed on L1820814-20, does not apply because the sample concentration is greater than four times the spike amount added.
The WG1124278-3/-4 MS/MSD recoveries, performed on L1820814-20, are outside the acceptance criteria for sodium (151%/145%). A post digestion spike was performed and was within acceptance criteria.
The WG1124760-3/-4 MS/MSD recoveries for aluminum (223%/24%), iron (0%/0%), and manganese (0%/0%), performed on L1820814-35, do not apply because the sample concentrations are greater than four times the



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**Case Narrative (continued)**

spike amounts added.
The WG1124760-3/-4 MS/MSD recoveries, performed on L1820814-35, are outside the acceptance criteria for calcium (MS 172%), copper (MS 129%), lead (373%/140%), vanadium (58%/52%), and zinc (48%/0%). A post digestion spike was performed and was within acceptance criteria. The MS/MSD RPDs for calcium (27%), copper (27%), lead (46%), and zinc (29%) are above the acceptance criteria.
The WG1124762-3/-4 MS/MSD recoveries for aluminum (711%/1060%), calcium (0%/1490%), iron (4210%/2760%), lead (223%/195%), manganese (166%/194%), and zinc (892%/1130%), performed on L1820814-36, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1124762-3/-4 MS/MSD recoveries, performed on L1820814-36, are outside the acceptance criteria for cadmium (MS 74%), copper (216%/380%), magnesium (59%/217%), and potassium (MSD 139%). A post digestion spike was performed and yielded an unacceptable recovery for magnesium (72%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.
The WG1124762-3/-4 MS/MSD RPDs for calcium (71%), copper (35%), and magnesium (43%), performed on L1820814-36, are above the acceptance criteria.
The WG1124845-4 MSD recovery for mercury (267%), performed on L1820814-35, does not apply because the sample concentration is greater than four times the spike amount added. The MS/MSD RPD (25%) is above the acceptance criteria.
The WG1124846-3/-4 MS/MSD recoveries for mercury (221%/173%), performed on L1820814-36, do not apply because the sample concentration is greater than four times the spike amount added.

Dissolved Metals
L1820814-37: The Field Blank has results for barium, calcium, and sodium present above the reporting limits. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.
L1820814-38: The Field Blank has a result for barium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.



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**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814
**Project Number:** 17-310 **Report Date:** 06/18/18

**Case Narrative (continued)**

The WG1124651-3/-4 MS/MSD recoveries for calcium (20%/43%) and manganese (1%/26%), performed on L1820814-20, do not apply because the sample concentrations are greater than four times the spike amounts added.

Hexavalent Chromium

The WG1124042-2 LCS recovery (77%), associated with L1820814-01 through -10, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

Cyanide, Total

The WG1124444-2/-3 LCS/LCSD recoveries (56%/35%), associated with L1820814-01 through -10, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD (40%) is above the acceptance criteria.

The WG1124445-2/-3 LCS/LCSD recoveries (57%/35%), associated with L1820814-11 through -18, -29, and -35, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD (41%) is above the acceptance criteria.

The WG1124510-3 LCSD recovery (67%), associated with L1820814-30 through -33, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1124607-3 LCSD recovery (64%), associated with L1820814-34 and -36, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1124444-5 MSD recovery (66%), performed on L1820814-01, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken. The MS/MSD RPD (41%) is above the acceptance criteria.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 06/18/18



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# ORGANICS



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# VOLATILES



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01
Client ID: SB-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 13:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 16:30
Analyst: JC
Percent Solids: 92%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 1300 | 210 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 190 | 34. | 1 |
| Chloroform | ND | | ug/kg | 190 | 47. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 130 | 44. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 450 | 29. | 1 |
| Dibromochloromethane | ND | | ug/kg | 130 | 22. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 190 | 40. | 1 |
| Tetrachloroethene | 8500 | | ug/kg | 130 | 39. | 1 |
| Chlorobenzene | ND | | ug/kg | 130 | 44. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 640 | 53. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 130 | 32. | 1 |
| 1,1,1-Trichloroethane | 48 | J | ug/kg | 130 | 45. | 1 |
| Bromodichloromethane | ND | | ug/kg | 130 | 39. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 130 | 27. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 130 | 30. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 130 | 27. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 640 | 42. | 1 |
| Bromoform | ND | | ug/kg | 510 | 30. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 130 | 38. | 1 |
| Benzene | ND | | ug/kg | 130 | 25. | 1 |
| Toluene | ND | | ug/kg | 190 | 25. | 1 |
| Ethylbenzene | ND | | ug/kg | 130 | 22. | 1 |
| Chloromethane | ND | | ug/kg | 640 | 56. | 1 |
| Bromomethane | ND | | ug/kg | 260 | 43. | 1 |
| Vinyl chloride | ND | | ug/kg | 260 | 40. | 1 |
| Chloroethane | ND | | ug/kg | 260 | 40. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 130 | 48. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 190 | 31. | 1 |



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**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01 Date Collected: 06/04/18 13:45

Client ID: SB-1A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 3000 | | ug/kg | 130 | 39. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 640 | 23. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 640 | 28. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 640 | 23. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 260 | 20. | 1 |
| p/m-Xylene | ND | | ug/kg | 260 | 45. | 1 |
| o-Xylene | ND | | ug/kg | 260 | 43. | 1 |
| Xylenes, Total | ND | | ug/kg | 260 | 43. | 1 |
| cis-1,2-Dichloroethene | 150 | | ug/kg | 130 | 44. | 1 |
| 1,2-Dichloroethene, Total | 150 | | ug/kg | 130 | 31. | 1 |
| Dibromomethane | ND | | ug/kg | 1300 | 31. | 1 |
| Styrene | ND | | ug/kg | 260 | 51. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 1300 | 64. | 1 |
| Acetone | ND | | ug/kg | 1300 | 290 | 1 |
| Carbon disulfide | ND | | ug/kg | 1300 | 140 | 1 |
| 2-Butanone | ND | | ug/kg | 1300 | 88. | 1 |
| Vinyl acetate | ND | | ug/kg | 1300 | 20. | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 1300 | 31. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1300 | 23. | 1 |
| 2-Hexanone | ND | | ug/kg | 1300 | 85. | 1 |
| Bromochloromethane | ND | | ug/kg | 640 | 46. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 640 | 58. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 510 | 25. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 640 | 23. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 130 | 41. | 1 |
| Bromobenzene | ND | | ug/kg | 640 | 28. | 1 |
| n-Butylbenzene | ND | | ug/kg | 130 | 29. | 1 |
| sec-Butylbenzene | ND | | ug/kg | 130 | 28. | 1 |
| tert-Butylbenzene | ND | | ug/kg | 640 | 32. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 640 | 28. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 640 | 23. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 640 | 51. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 640 | 44. | 1 |
| Isopropylbenzene | ND | | ug/kg | 130 | 25. | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 130 | 26. | 1 |
| Naphthalene | 950 | | ug/kg | 640 | 18. | 1 |
| Acrylonitrile | ND | | ug/kg | 1300 | 66. | 1 |



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**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01 Date Collected: 06/04/18 13:45

Client ID: SB-1A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 130 | 28. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 640 | 32. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 640 | 28. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 640 | 21. | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 640 | 24. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 5100 | 1800 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 510 | 510 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 510 | 30. | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 510 | 20. | 1 |
| Ethyl ether | ND | | ug/kg | 640 | 33. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 640 | 50. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 114 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02
Client ID: SB-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 15:05
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 15:38
Analyst: JC
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 14 | 2.2 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.0 | 0.37 | 1 |
| Chloroform | ND | | ug/kg | 2.0 | 0.51 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.4 | 0.47 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.8 | 0.31 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.4 | 0.24 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.0 | 0.43 | 1 |
| Tetrachloroethene | 1.3 | J | ug/kg | 1.4 | 0.41 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.4 | 0.48 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.8 | 0.57 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.4 | 0.34 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.4 | 0.48 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.4 | 0.42 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.28 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.32 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.4 | 0.28 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.8 | 0.45 | 1 |
| Bromoform | ND | | ug/kg | 5.5 | 0.32 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.4 | 0.41 | 1 |
| Benzene | ND | | ug/kg | 1.4 | 0.26 | 1 |
| Toluene | 0.35 | J | ug/kg | 2.0 | 0.27 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.4 | 0.23 | 1 |
| Chloromethane | ND | | ug/kg | 6.8 | 0.60 | 1 |
| Bromomethane | ND | | ug/kg | 2.7 | 0.46 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.7 | 0.43 | 1 |
| Chloroethane | ND | | ug/kg | 2.7 | 0.43 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.4 | 0.51 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.33 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02 Date Collected: 06/05/18 15:05

Client ID: SB-2A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 0.96 | J | ug/kg | 1.4 | 0.41 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.8 | 0.25 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.8 | 0.30 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.8 | 0.25 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.7 | 0.21 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.7 | 0.48 | 1 |
| o-Xylene | ND | | ug/kg | 2.7 | 0.46 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.7 | 0.46 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.47 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.4 | 0.33 | 1 |
| Dibromomethane | ND | | ug/kg | 14 | 0.33 | 1 |
| Styrene | ND | | ug/kg | 2.7 | 0.55 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 14 | 0.68 | 1 |
| Acetone | 3.4 | J | ug/kg | 14 | 3.1 | 1 |
| Carbon disulfide | ND | | ug/kg | 14 | 1.5 | 1 |
| 2-Butanone | ND | | ug/kg | 14 | 0.94 | 1 |
| Vinyl acetate | ND | | ug/kg | 14 | 0.21 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 14 | 0.33 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 14 | 0.24 | 1 |
| 2-Hexanone | ND | | ug/kg | 14 | 0.91 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.8 | 0.49 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.8 | 0.62 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.5 | 0.27 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.8 | 0.25 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.4 | 0.43 | 1 |
| Bromobenzene | ND | | ug/kg | 6.8 | 0.30 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.4 | 0.31 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.4 | 0.30 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.8 | 0.34 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.8 | 0.30 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.8 | 0.25 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.8 | 0.54 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.8 | 0.48 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.4 | 0.26 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.4 | 0.28 | 1 |
| Naphthalene | ND | | ug/kg | 6.8 | 0.19 | 1 |
| Acrylonitrile | ND | | ug/kg | 14 | 0.70 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02 Date Collected: 06/05/18 15:05

Client ID: SB-2A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.4 | 0.29 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.8 | 0.34 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.8 | 0.29 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.8 | 0.22 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.8 | 0.25 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 55 | 20. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.5 | 5.5 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.5 | 0.32 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.5 | 0.21 | 1 |
| Ethyl ether | ND | | ug/kg | 6.8 | 0.36 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.8 | 0.54 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 118 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 109 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03
Client ID: SB-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 10:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 16:57
Analyst: JC
Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 950 | 160 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 140 | 26. | 1 |
| Chloroform | ND | | ug/kg | 140 | 35. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 95 | 33. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 330 | 22. | 1 |
| Dibromochloromethane | ND | | ug/kg | 95 | 17. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 140 | 30. | 1 |
| Tetrachloroethene | 2500 | | ug/kg | 95 | 29. | 1 |
| Chlorobenzene | ND | | ug/kg | 95 | 33. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 480 | 40. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 95 | 23. | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 95 | 33. | 1 |
| Bromodichloromethane | ND | | ug/kg | 95 | 29. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 95 | 20. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 95 | 22. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 95 | 20. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 480 | 31. | 1 |
| Bromoform | ND | | ug/kg | 380 | 23. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 95 | 28. | 1 |
| Benzene | ND | | ug/kg | 95 | 18. | 1 |
| Toluene | ND | | ug/kg | 140 | 18. | 1 |
| Ethylbenzene | ND | | ug/kg | 95 | 16. | 1 |
| Chloromethane | ND | | ug/kg | 480 | 42. | 1 |
| Bromomethane | ND | | ug/kg | 190 | 32. | 1 |
| Vinyl chloride | ND | | ug/kg | 190 | 30. | 1 |
| Chloroethane | ND | | ug/kg | 190 | 30. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 95 | 35. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 140 | 23. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03 Date Collected: 06/05/18 10:55

Client ID: SB-3A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 1200 | | ug/kg | 95 | 29. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 480 | 17. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 480 | 21. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 480 | 17. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 190 | 14. | 1 |
| p/m-Xylene | ND | | ug/kg | 190 | 33. | 1 |
| o-Xylene | ND | | ug/kg | 190 | 32. | 1 |
| Xylenes, Total | ND | | ug/kg | 190 | 32. | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 95 | 33. | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 95 | 23. | 1 |
| Dibromomethane | ND | | ug/kg | 950 | 23. | 1 |
| Styrene | ND | | ug/kg | 190 | 38. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 950 | 48. | 1 |
| Acetone | ND | | ug/kg | 950 | 220 | 1 |
| Carbon disulfide | ND | | ug/kg | 950 | 100 | 1 |
| 2-Butanone | ND | | ug/kg | 950 | 66. | 1 |
| Vinyl acetate | ND | | ug/kg | 950 | 14. | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 950 | 23. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 950 | 17. | 1 |
| 2-Hexanone | ND | | ug/kg | 950 | 64. | 1 |
| Bromochloromethane | ND | | ug/kg | 480 | 34. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 480 | 43. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 380 | 19. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 480 | 17. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 95 | 30. | 1 |
| Bromobenzene | ND | | ug/kg | 480 | 21. | 1 |
| n-Butylbenzene | ND | | ug/kg | 95 | 22. | 1 |
| sec-Butylbenzene | ND | | ug/kg | 95 | 21. | 1 |
| tert-Butylbenzene | ND | | ug/kg | 480 | 24. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 480 | 21. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 480 | 17. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 480 | 38. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 480 | 33. | 1 |
| Isopropylbenzene | ND | | ug/kg | 95 | 18. | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 95 | 19. | 1 |
| Naphthalene | 100 | J | ug/kg | 480 | 13. | 1 |
| Acrylonitrile | ND | | ug/kg | 950 | 49. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03 Date Collected: 06/05/18 10:55

Client ID: SB-3A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 95 | 20. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 480 | 24. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 480 | 20. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 480 | 15. | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 480 | 18. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 3800 | 1400 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 380 | 380 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 380 | 22. | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 380 | 15. | 1 |
| Ethyl ether | ND | | ug/kg | 480 | 25. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 480 | 37. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 117 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 106 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04
Client ID: SB-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 16:04
Analyst: JC
Percent Solids: 81%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 13 | 2.1 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.9 | 0.34 | 1 |
| Chloroform | ND | | ug/kg | 1.9 | 0.47 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.3 | 0.44 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.4 | 0.29 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.3 | 0.22 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.9 | 0.40 | 1 |
| Tetrachloroethene | 2.5 | | ug/kg | 1.3 | 0.38 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.3 | 0.44 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.3 | 0.53 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.3 | 0.31 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.3 | 0.44 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.3 | 0.39 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.26 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.29 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.3 | 0.26 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.3 | 0.42 | 1 |
| Bromoform | ND | | ug/kg | 5.1 | 0.30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.38 | 1 |
| Benzene | ND | | ug/kg | 1.3 | 0.24 | 1 |
| Toluene | 0.28 | J | ug/kg | 1.9 | 0.25 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.3 | 0.22 | 1 |
| Chloromethane | ND | | ug/kg | 6.3 | 0.55 | 1 |
| Bromomethane | ND | | ug/kg | 2.5 | 0.43 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.5 | 0.40 | 1 |
| Chloroethane | ND | | ug/kg | 2.5 | 0.40 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.3 | 0.47 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.9 | 0.30 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04 Date Collected: 06/04/18 09:45

Client ID: SB-4A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 0.62 | J | ug/kg | 1.3 | 0.38 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.3 | 0.23 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.3 | 0.28 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.3 | 0.23 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.5 | 0.19 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.5 | 0.44 | 1 |
| o-Xylene | ND | | ug/kg | 2.5 | 0.43 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.5 | 0.43 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.43 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.3 | 0.30 | 1 |
| Dibromomethane | ND | | ug/kg | 13 | 0.30 | 1 |
| Styrene | ND | | ug/kg | 2.5 | 0.51 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 13 | 0.63 | 1 |
| Acetone | ND | | ug/kg | 13 | 2.9 | 1 |
| Carbon disulfide | ND | | ug/kg | 13 | 1.4 | 1 |
| 2-Butanone | ND | | ug/kg | 13 | 0.87 | 1 |
| Vinyl acetate | ND | | ug/kg | 13 | 0.19 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 13 | 0.31 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 13 | 0.22 | 1 |
| 2-Hexanone | ND | | ug/kg | 13 | 0.84 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.3 | 0.45 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.3 | 0.57 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.1 | 0.25 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.3 | 0.23 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.40 | 1 |
| Bromobenzene | ND | | ug/kg | 6.3 | 0.28 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.3 | 0.29 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.3 | 0.27 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.3 | 0.31 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.3 | 0.28 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.3 | 0.23 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.3 | 0.50 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.3 | 0.44 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.3 | 0.24 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.3 | 0.26 | 1 |
| Naphthalene | ND | | ug/kg | 6.3 | 0.17 | 1 |
| Acrylonitrile | ND | | ug/kg | 13 | 0.65 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04 Date Collected: 06/04/18 09:45

Client ID: SB-4A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.3 | 0.27 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.3 | 0.32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.3 | 0.27 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.3 | 0.20 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.3 | 0.24 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 51 | 18. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.1 | 5.1 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.1 | 0.30 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.1 | 0.20 | 1 |
| Ethyl ether | ND | | ug/kg | 6.3 | 0.33 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.3 | 0.50 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 117 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 110 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 D
Client ID: SB-5A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 11:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 17:22
Analyst: JC
Percent Solids: 79%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 7300 | 1200 | 5 |
| 1,1-Dichloroethane | ND | | ug/kg | 1100 | 200 | 5 |
| Chloroform | ND | | ug/kg | 1100 | 270 | 5 |
| Carbon tetrachloride | ND | | ug/kg | 730 | 250 | 5 |
| 1,2-Dichloropropane | ND | | ug/kg | 2600 | 170 | 5 |
| Dibromochloromethane | ND | | ug/kg | 730 | 130 | 5 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1100 | 230 | 5 |
| Tetrachloroethene | 99000 | | ug/kg | 730 | 220 | 5 |
| Chlorobenzene | ND | | ug/kg | 730 | 250 | 5 |
| Trichlorofluoromethane | ND | | ug/kg | 3600 | 300 | 5 |
| 1,2-Dichloroethane | ND | | ug/kg | 730 | 180 | 5 |
| 1,1,1-Trichloroethane | 3000 | | ug/kg | 730 | 260 | 5 |
| Bromodichloromethane | ND | | ug/kg | 730 | 220 | 5 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 730 | 150 | 5 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 730 | 170 | 5 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 730 | 150 | 5 |
| 1,1-Dichloropropene | ND | | ug/kg | 3600 | 240 | 5 |
| Bromoform | ND | | ug/kg | 2900 | 170 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 730 | 220 | 5 |
| Benzene | ND | | ug/kg | 730 | 140 | 5 |
| Toluene | ND | | ug/kg | 1100 | 140 | 5 |
| Ethylbenzene | ND | | ug/kg | 730 | 120 | 5 |
| Chloromethane | ND | | ug/kg | 3600 | 320 | 5 |
| Bromomethane | ND | | ug/kg | 1500 | 250 | 5 |
| Vinyl chloride | ND | | ug/kg | 1500 | 230 | 5 |
| Chloroethane | ND | | ug/kg | 1500 | 230 | 5 |
| 1,1-Dichloroethene | ND | | ug/kg | 730 | 270 | 5 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1100 | 180 | 5 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 D
Client ID: SB-5A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 15000 | | ug/kg | 730 | 220 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 3600 | 130 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 3600 | 160 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 3600 | 130 | 5 |
| Methyl tert butyl ether | ND | | ug/kg | 1500 | 110 | 5 |
| p/m-Xylene | ND | | ug/kg | 1500 | 260 | 5 |
| o-Xylene | ND | | ug/kg | 1500 | 250 | 5 |
| Xylenes, Total | ND | | ug/kg | 1500 | 250 | 5 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 730 | 250 | 5 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 730 | 180 | 5 |
| Dibromomethane | ND | | ug/kg | 7300 | 170 | 5 |
| Styrene | ND | | ug/kg | 1500 | 290 | 5 |
| Dichlorodifluoromethane | ND | | ug/kg | 7300 | 360 | 5 |
| Acetone | ND | | ug/kg | 7300 | 1700 | 5 |
| Carbon disulfide | ND | | ug/kg | 7300 | 800 | 5 |
| 2-Butanone | ND | | ug/kg | 7300 | 500 | 5 |
| Vinyl acetate | ND | | ug/kg | 7300 | 110 | 5 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 7300 | 180 | 5 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 7300 | 130 | 5 |
| 2-Hexanone | ND | | ug/kg | 7300 | 490 | 5 |
| Bromochloromethane | ND | | ug/kg | 3600 | 260 | 5 |
| 2,2-Dichloropropane | ND | | ug/kg | 3600 | 330 | 5 |
| 1,2-Dibromoethane | ND | | ug/kg | 2900 | 140 | 5 |
| 1,3-Dichloropropane | ND | | ug/kg | 3600 | 130 | 5 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 730 | 230 | 5 |
| Bromobenzene | ND | | ug/kg | 3600 | 160 | 5 |
| n-Butylbenzene | ND | | ug/kg | 730 | 170 | 5 |
| sec-Butylbenzene | ND | | ug/kg | 730 | 160 | 5 |
| tert-Butylbenzene | ND | | ug/kg | 3600 | 180 | 5 |
| o-Chlorotoluene | ND | | ug/kg | 3600 | 160 | 5 |
| p-Chlorotoluene | ND | | ug/kg | 3600 | 130 | 5 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3600 | 290 | 5 |
| Hexachlorobutadiene | ND | | ug/kg | 3600 | 250 | 5 |
| Isopropylbenzene | ND | | ug/kg | 730 | 140 | 5 |
| p-Isopropyltoluene | ND | | ug/kg | 730 | 150 | 5 |
| Naphthalene | 1800 | J | ug/kg | 3600 | 100 | 5 |
| Acrylonitrile | ND | | ug/kg | 7300 | 380 | 5 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 D Date Collected: 06/05/18 11:40
Client ID: SB-5A Date Received: 06/05/18
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 730 | 160 | 5 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 3600 | 180 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 3600 | 160 | 5 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 3600 | 120 | 5 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 3600 | 140 | 5 |
| 1,4-Dioxane | ND | | ug/kg | 29000 | 10000 | 5 |
| p-Diethylbenzene | ND | | ug/kg | 2900 | 2900 | 5 |
| p-Ethyltoluene | ND | | ug/kg | 2900 | 170 | 5 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2900 | 110 | 5 |
| Ethyl ether | ND | | ug/kg | 3600 | 190 | 5 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 3600 | 290 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 117 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 107 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06
Client ID: SB-6A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 14:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 10:51
Analyst: JC
Percent Solids: 90%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 13 | 2.1 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.9 | 0.35 | 1 |
| Chloroform | ND | | ug/kg | 1.9 | 0.48 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.3 | 0.44 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.5 | 0.29 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.3 | 0.23 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.9 | 0.40 | 1 |
| Tetrachloroethene | 1.2 | J | ug/kg | 1.3 | 0.39 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.3 | 0.45 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.4 | 0.54 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.3 | 0.32 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.3 | 0.45 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.3 | 0.40 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.27 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.30 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.3 | 0.27 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.4 | 0.42 | 1 |
| Bromoform | ND | | ug/kg | 5.2 | 0.30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.38 | 1 |
| Benzene | ND | | ug/kg | 1.3 | 0.25 | 1 |
| Toluene | ND | | ug/kg | 1.9 | 0.25 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.3 | 0.22 | 1 |
| Chloromethane | ND | | ug/kg | 6.4 | 0.56 | 1 |
| Bromomethane | ND | | ug/kg | 2.6 | 0.44 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.6 | 0.41 | 1 |
| Chloroethane | ND | | ug/kg | 2.6 | 0.41 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.3 | 0.48 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.9 | 0.31 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06 Date Collected: 06/05/18 14:00

Client ID: SB-6A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 1.3 | 0.39 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.4 | 0.23 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.4 | 0.28 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.4 | 0.23 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.6 | 0.20 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.6 | 0.45 | 1 |
| o-Xylene | ND | | ug/kg | 2.6 | 0.44 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.6 | 0.44 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.44 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.3 | 0.31 | 1 |
| Dibromomethane | ND | | ug/kg | 13 | 0.31 | 1 |
| Styrene | ND | | ug/kg | 2.6 | 0.52 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 13 | 0.64 | 1 |
| Acetone | ND | | ug/kg | 13 | 3.0 | 1 |
| Carbon disulfide | ND | | ug/kg | 13 | 1.4 | 1 |
| 2-Butanone | ND | | ug/kg | 13 | 0.89 | 1 |
| Vinyl acetate | ND | | ug/kg | 13 | 0.20 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 13 | 0.31 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 13 | 0.23 | 1 |
| 2-Hexanone | ND | | ug/kg | 13 | 0.86 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.4 | 0.46 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.4 | 0.58 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.2 | 0.26 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.4 | 0.24 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.41 | 1 |
| Bromobenzene | ND | | ug/kg | 6.4 | 0.28 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.3 | 0.29 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.3 | 0.28 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.4 | 0.32 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.4 | 0.28 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.4 | 0.24 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.4 | 0.51 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.4 | 0.45 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.3 | 0.25 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.3 | 0.26 | 1 |
| Naphthalene | ND | | ug/kg | 6.4 | 0.18 | 1 |
| Acrylonitrile | ND | | ug/kg | 13 | 0.66 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06 Date Collected: 06/05/18 14:00

Client ID: SB-6A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.3 | 0.28 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.4 | 0.32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.4 | 0.28 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.4 | 0.21 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.4 | 0.24 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 52 | 18. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.2 | 5.2 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.2 | 0.30 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.2 | 0.20 | 1 |
| Ethyl ether | ND | | ug/kg | 6.4 | 0.34 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.4 | 0.50 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 111 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 108 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07
Client ID: SB-7A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 12:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 11:18
Analyst: JC
Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 12 | 1.9 | 1 |
| 1,1-Dichloroethane | 0.41 | J | ug/kg | 1.8 | 0.32 | 1 |
| Chloroform | ND | | ug/kg | 1.8 | 0.44 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.2 | 0.41 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.1 | 0.27 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.2 | 0.21 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.8 | 0.37 | 1 |
| Tetrachloroethene | 34 | | ug/kg | 1.2 | 0.36 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.2 | 0.41 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 5.9 | 0.49 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.2 | 0.29 | 1 |
| 1,1,1-Trichloroethane | 6.0 | | ug/kg | 1.2 | 0.41 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.2 | 0.36 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.24 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.27 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.2 | 0.24 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 5.9 | 0.39 | 1 |
| Bromoform | ND | | ug/kg | 4.7 | 0.28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.2 | 0.35 | 1 |
| Benzene | ND | | ug/kg | 1.2 | 0.23 | 1 |
| Toluene | ND | | ug/kg | 1.8 | 0.23 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.2 | 0.20 | 1 |
| Chloromethane | ND | | ug/kg | 5.9 | 0.51 | 1 |
| Bromomethane | ND | | ug/kg | 2.4 | 0.40 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.4 | 0.37 | 1 |
| Chloroethane | ND | | ug/kg | 2.4 | 0.37 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.2 | 0.44 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.8 | 0.28 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07 Date Collected: 06/04/18 12:10

Client ID: SB-7A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 14 | | ug/kg | 1.2 | 0.36 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 5.9 | 0.21 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 5.9 | 0.26 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 5.9 | 0.21 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.4 | 0.18 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.4 | 0.41 | 1 |
| o-Xylene | ND | | ug/kg | 2.4 | 0.40 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.4 | 0.40 | 1 |
| cis-1,2-Dichloroethene | 17 | | ug/kg | 1.2 | 0.40 | 1 |
| 1,2-Dichloroethene, Total | 17 | | ug/kg | 1.2 | 0.28 | 1 |
| Dibromomethane | ND | | ug/kg | 12 | 0.28 | 1 |
| Styrene | ND | | ug/kg | 2.4 | 0.47 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 12 | 0.59 | 1 |
| Acetone | 4.2 | J | ug/kg | 12 | 2.7 | 1 |
| Carbon disulfide | ND | | ug/kg | 12 | 1.3 | 1 |
| 2-Butanone | ND | | ug/kg | 12 | 0.81 | 1 |
| Vinyl acetate | ND | | ug/kg | 12 | 0.18 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 12 | 0.29 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 12 | 0.21 | 1 |
| 2-Hexanone | ND | | ug/kg | 12 | 0.78 | 1 |
| Bromochloromethane | ND | | ug/kg | 5.9 | 0.42 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 5.9 | 0.53 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.7 | 0.23 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 5.9 | 0.22 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.2 | 0.38 | 1 |
| Bromobenzene | ND | | ug/kg | 5.9 | 0.26 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.2 | 0.27 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.2 | 0.26 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 5.9 | 0.29 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 5.9 | 0.26 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 5.9 | 0.22 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.9 | 0.47 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 5.9 | 0.41 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.2 | 0.23 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.2 | 0.24 | 1 |
| Naphthalene | ND | | ug/kg | 5.9 | 0.16 | 1 |
| Acrylonitrile | ND | | ug/kg | 12 | 0.61 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07
Client ID: SB-7A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 12:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.2 | 0.25 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 5.9 | 0.30 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 5.9 | 0.25 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 5.9 | 0.19 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 5.9 | 0.22 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 47 | 17. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 4.7 | 4.7 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 4.7 | 0.28 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 4.7 | 0.18 | 1 |
| Ethyl ether | ND | | ug/kg | 5.9 | 0.31 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.9 | 0.46 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 105 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08
Client ID: SB-8A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 12:25
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 11:43
Analyst: JC
Percent Solids: 92%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 18 | 3.0 | 1 |
| 1,1-Dichloroethane | 1.3 | J | ug/kg | 2.7 | 0.49 | 1 |
| Chloroform | ND | | ug/kg | 2.7 | 0.67 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.8 | 0.63 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 6.4 | 0.41 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.8 | 0.32 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.7 | 0.57 | 1 |
| Tetrachloroethene | 1.0 | J | ug/kg | 1.8 | 0.55 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.8 | 0.63 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 9.1 | 0.76 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.8 | 0.45 | 1 |
| 1,1,1-Trichloroethane | 7.3 | | ug/kg | 1.8 | 0.64 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.8 | 0.56 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.8 | 0.38 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.8 | 0.42 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.8 | 0.38 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 9.1 | 0.60 | 1 |
| Bromoform | ND | | ug/kg | 7.3 | 0.43 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.8 | 0.54 | 1 |
| Benzene | ND | | ug/kg | 1.8 | 0.35 | 1 |
| Toluene | 0.52 | J | ug/kg | 2.7 | 0.35 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.8 | 0.31 | 1 |
| Chloromethane | ND | | ug/kg | 9.1 | 0.79 | 1 |
| Bromomethane | ND | | ug/kg | 3.6 | 0.61 | 1 |
| Vinyl chloride | ND | | ug/kg | 3.6 | 0.57 | 1 |
| Chloroethane | ND | | ug/kg | 3.6 | 0.57 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.8 | 0.68 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.7 | 0.44 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08 Date Collected: 06/05/18 12:25

Client ID: SB-8A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 1.8 | 0.55 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 9.1 | 0.33 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 9.1 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 9.1 | 0.33 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.6 | 0.28 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.6 | 0.64 | 1 |
| o-Xylene | ND | | ug/kg | 3.6 | 0.61 | 1 |
| Xylenes, Total | ND | | ug/kg | 3.6 | 0.61 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.8 | 0.62 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.8 | 0.44 | 1 |
| Dibromomethane | ND | | ug/kg | 18 | 0.43 | 1 |
| Styrene | ND | | ug/kg | 3.6 | 0.73 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 18 | 0.91 | 1 |
| Acetone | 57 | | ug/kg | 18 | 4.2 | 1 |
| Carbon disulfide | ND | | ug/kg | 18 | 2.0 | 1 |
| 2-Butanone | 4.4 | J | ug/kg | 18 | 1.2 | 1 |
| Vinyl acetate | ND | | ug/kg | 18 | 0.28 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 18 | 0.44 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 18 | 0.32 | 1 |
| 2-Hexanone | ND | | ug/kg | 18 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 9.1 | 0.65 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 9.1 | 0.82 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 7.3 | 0.36 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 9.1 | 0.33 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.8 | 0.58 | 1 |
| Bromobenzene | ND | | ug/kg | 9.1 | 0.40 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.8 | 0.41 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.8 | 0.39 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 9.1 | 0.45 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 9.1 | 0.40 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 9.1 | 0.33 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 9.1 | 0.72 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 9.1 | 0.63 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.8 | 0.35 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.8 | 0.37 | 1 |
| Naphthalene | ND | | ug/kg | 9.1 | 0.25 | 1 |
| Acrylonitrile | ND | | ug/kg | 18 | 0.93 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08
Client ID: SB-8A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 12:25
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.8 | 0.39 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 9.1 | 0.46 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 9.1 | 0.39 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 9.1 | 0.29 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 9.1 | 0.34 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 73 | 26. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 7.3 | 7.3 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 7.3 | 0.42 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 7.3 | 0.28 | 1 |
| Ethyl ether | ND | | ug/kg | 9.1 | 0.47 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 9.1 | 0.71 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 115 | | 70-130 |
| Toluene-d8 | 95 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 108 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09
Client ID: SB-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 12:09
Analyst: JC
Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 24 | 3.9 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 3.6 | 0.64 | 1 |
| Chloroform | ND | | ug/kg | 3.6 | 0.88 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 2.4 | 0.82 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 8.3 | 0.54 | 1 |
| Dibromochloromethane | ND | | ug/kg | 2.4 | 0.42 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 3.6 | 0.75 | 1 |
| Tetrachloroethene | ND | | ug/kg | 2.4 | 0.72 | 1 |
| Chlorobenzene | ND | | ug/kg | 2.4 | 0.83 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 12 | 0.99 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 2.4 | 0.59 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 2.4 | 0.83 | 1 |
| Bromodichloromethane | ND | | ug/kg | 2.4 | 0.73 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 2.4 | 0.50 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 2.4 | 0.55 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 2.4 | 0.50 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 12 | 0.78 | 1 |
| Bromoform | ND | | ug/kg | 9.5 | 0.56 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 2.4 | 0.71 | 1 |
| Benzene | ND | | ug/kg | 2.4 | 0.46 | 1 |
| Toluene | ND | | ug/kg | 3.6 | 0.46 | 1 |
| Ethylbenzene | ND | | ug/kg | 2.4 | 0.40 | 1 |
| Chloromethane | ND | | ug/kg | 12 | 1.0 | 1 |
| Bromomethane | ND | | ug/kg | 4.8 | 0.80 | 1 |
| Vinyl chloride | ND | | ug/kg | 4.8 | 0.75 | 1 |
| Chloroethane | ND | | ug/kg | 4.8 | 0.75 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 2.4 | 0.89 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 3.6 | 0.57 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09 Date Collected: 06/04/18 13:50

Client ID: SB-1B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 2.4 | 0.72 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 12 | 0.43 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 12 | 0.52 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 12 | 0.43 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 4.8 | 0.36 | 1 |
| p/m-Xylene | ND | | ug/kg | 4.8 | 0.84 | 1 |
| o-Xylene | ND | | ug/kg | 4.8 | 0.80 | 1 |
| Xylenes, Total | ND | | ug/kg | 4.8 | 0.80 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 2.4 | 0.82 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 2.4 | 0.57 | 1 |
| Dibromomethane | ND | | ug/kg | 24 | 0.57 | 1 |
| Styrene | ND | | ug/kg | 4.8 | 0.96 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 24 | 1.2 | 1 |
| Acetone | 11 | J | ug/kg | 24 | 5.4 | 1 |
| Carbon disulfide | ND | | ug/kg | 24 | 2.6 | 1 |
| 2-Butanone | ND | | ug/kg | 24 | 1.6 | 1 |
| Vinyl acetate | ND | | ug/kg | 24 | 0.36 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 24 | 0.58 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 24 | 0.42 | 1 |
| 2-Hexanone | ND | | ug/kg | 24 | 1.6 | 1 |
| Bromochloromethane | ND | | ug/kg | 12 | 0.85 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 12 | 1.1 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 9.5 | 0.47 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 12 | 0.44 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 2.4 | 0.76 | 1 |
| Bromobenzene | ND | | ug/kg | 12 | 0.52 | 1 |
| n-Butylbenzene | ND | | ug/kg | 2.4 | 0.54 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 2.4 | 0.52 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 12 | 0.59 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 12 | 0.53 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 12 | 0.44 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 12 | 0.94 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 12 | 0.83 | 1 |
| Isopropylbenzene | ND | | ug/kg | 2.4 | 0.46 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 2.4 | 0.48 | 1 |
| Naphthalene | 0.44 | J | ug/kg | 12 | 0.33 | 1 |
| Acrylonitrile | ND | | ug/kg | 24 | 1.2 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09 Date Collected: 06/04/18 13:50

Client ID: SB-1B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 2.4 | 0.51 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 12 | 0.60 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 12 | 0.51 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 12 | 0.38 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 12 | 0.44 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 95 | 34. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 9.5 | 9.5 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 9.5 | 0.56 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 9.5 | 0.37 | 1 |
| Ethyl ether | ND | | ug/kg | 12 | 0.62 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 12 | 0.93 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 120 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 110 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10
Client ID: SB-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 15:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 12:36
Analyst: JC
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 14 | 2.3 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.1 | 0.38 | 1 |
| Chloroform | ND | | ug/kg | 2.1 | 0.52 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.4 | 0.48 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.9 | 0.32 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.4 | 0.25 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.1 | 0.44 | 1 |
| Tetrachloroethene | 6.7 | | ug/kg | 1.4 | 0.42 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.4 | 0.49 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 7.0 | 0.58 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.4 | 0.34 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.4 | 0.49 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.4 | 0.43 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.29 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.32 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.4 | 0.29 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 7.0 | 0.46 | 1 |
| Bromoform | ND | | ug/kg | 5.6 | 0.33 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.4 | 0.42 | 1 |
| Benzene | ND | | ug/kg | 1.4 | 0.27 | 1 |
| Toluene | ND | | ug/kg | 2.1 | 0.27 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.4 | 0.24 | 1 |
| Chloromethane | ND | | ug/kg | 7.0 | 0.61 | 1 |
| Bromomethane | ND | | ug/kg | 2.8 | 0.47 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.8 | 0.44 | 1 |
| Chloroethane | ND | | ug/kg | 2.8 | 0.44 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.4 | 0.52 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.1 | 0.34 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10 Date Collected: 06/05/18 15:15

Client ID: SB-2B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 4.7 | | ug/kg | 1.4 | 0.42 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 7.0 | 0.26 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 7.0 | 0.31 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 7.0 | 0.26 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.8 | 0.21 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.8 | 0.49 | 1 |
| o-Xylene | ND | | ug/kg | 2.8 | 0.47 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.8 | 0.47 | 1 |
| cis-1,2-Dichloroethene | 0.74 | J | ug/kg | 1.4 | 0.48 | 1 |
| 1,2-Dichloroethene, Total | 0.74 | J | ug/kg | 1.4 | 0.34 | 1 |
| Dibromomethane | ND | | ug/kg | 14 | 0.34 | 1 |
| Styrene | ND | | ug/kg | 2.8 | 0.56 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 14 | 0.70 | 1 |
| Acetone | ND | | ug/kg | 14 | 3.2 | 1 |
| Carbon disulfide | ND | | ug/kg | 14 | 1.5 | 1 |
| 2-Butanone | ND | | ug/kg | 14 | 0.97 | 1 |
| Vinyl acetate | ND | | ug/kg | 14 | 0.21 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 14 | 0.34 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 14 | 0.25 | 1 |
| 2-Hexanone | ND | | ug/kg | 14 | 0.94 | 1 |
| Bromochloromethane | ND | | ug/kg | 7.0 | 0.50 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 7.0 | 0.63 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.6 | 0.28 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 7.0 | 0.26 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.4 | 0.45 | 1 |
| Bromobenzene | ND | | ug/kg | 7.0 | 0.31 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.4 | 0.32 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.4 | 0.30 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 7.0 | 0.35 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 7.0 | 0.31 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 7.0 | 0.26 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 7.0 | 0.56 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 7.0 | 0.49 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.4 | 0.27 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.4 | 0.28 | 1 |
| Naphthalene | ND | | ug/kg | 7.0 | 0.19 | 1 |
| Acrylonitrile | ND | | ug/kg | 14 | 0.72 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10 Date Collected: 06/05/18 15:15

Client ID: SB-2B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.4 | 0.30 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 7.0 | 0.35 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 7.0 | 0.30 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 7.0 | 0.23 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 7.0 | 0.26 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 56 | 20. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.6 | 5.6 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.6 | 0.33 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.6 | 0.22 | 1 |
| Ethyl ether | ND | | ug/kg | 7.0 | 0.36 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 7.0 | 0.55 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 113 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 107 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11
Client ID: SB-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 11:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 13:01
Analyst: JC
Percent Solids: 92%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 19 | 3.1 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.8 | 0.51 | 1 |
| Chloroform | ND | | ug/kg | 2.8 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.9 | 0.65 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 6.6 | 0.43 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.9 | 0.33 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.8 | 0.59 | 1 |
| Tetrachloroethene | 7.9 | | ug/kg | 1.9 | 0.57 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.9 | 0.65 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 9.4 | 0.78 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.9 | 0.46 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.9 | 0.66 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.9 | 0.58 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.9 | 0.39 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.9 | 0.43 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.9 | 0.39 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 9.4 | 0.62 | 1 |
| Bromoform | ND | | ug/kg | 7.5 | 0.44 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.9 | 0.56 | 1 |
| Benzene | ND | | ug/kg | 1.9 | 0.36 | 1 |
| Toluene | 0.49 | J | ug/kg | 2.8 | 0.37 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.9 | 0.32 | 1 |
| Chloromethane | ND | | ug/kg | 9.4 | 0.82 | 1 |
| Bromomethane | ND | | ug/kg | 3.8 | 0.64 | 1 |
| Vinyl chloride | ND | | ug/kg | 3.8 | 0.59 | 1 |
| Chloroethane | ND | | ug/kg | 3.8 | 0.59 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.9 | 0.70 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.8 | 0.45 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11 Date Collected: 06/05/18 11:10

Client ID: SB-3B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 4.2 | | ug/kg | 1.9 | 0.57 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 9.4 | 0.34 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 9.4 | 0.41 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 9.4 | 0.34 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.8 | 0.29 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.8 | 0.66 | 1 |
| o-Xylene | ND | | ug/kg | 3.8 | 0.64 | 1 |
| Xylenes, Total | ND | | ug/kg | 3.8 | 0.64 | 1 |
| cis-1,2-Dichloroethene | 2.0 | | ug/kg | 1.9 | 0.64 | 1 |
| 1,2-Dichloroethene, Total | 2.0 | | ug/kg | 1.9 | 0.45 | 1 |
| Dibromomethane | ND | | ug/kg | 19 | 0.45 | 1 |
| Styrene | ND | | ug/kg | 3.8 | 0.75 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 19 | 0.94 | 1 |
| Acetone | 10 | J | ug/kg | 19 | 4.3 | 1 |
| Carbon disulfide | ND | | ug/kg | 19 | 2.1 | 1 |
| 2-Butanone | ND | | ug/kg | 19 | 1.3 | 1 |
| Vinyl acetate | ND | | ug/kg | 19 | 0.29 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 19 | 0.46 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 19 | 0.33 | 1 |
| 2-Hexanone | ND | | ug/kg | 19 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 9.4 | 0.67 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 9.4 | 0.85 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 7.5 | 0.37 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 9.4 | 0.34 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.9 | 0.60 | 1 |
| Bromobenzene | ND | | ug/kg | 9.4 | 0.41 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.9 | 0.43 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.9 | 0.41 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 9.4 | 0.46 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 9.4 | 0.42 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 9.4 | 0.34 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 9.4 | 0.74 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 9.4 | 0.65 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.9 | 0.36 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.9 | 0.38 | 1 |
| Naphthalene | ND | | ug/kg | 9.4 | 0.26 | 1 |
| Acrylonitrile | ND | | ug/kg | 19 | 0.97 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11 Date Collected: 06/05/18 11:10

Client ID: SB-3B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.9 | 0.40 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 9.4 | 0.47 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 9.4 | 0.40 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 9.4 | 0.30 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 9.4 | 0.35 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 75 | 27. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 7.5 | 7.5 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 7.5 | 0.44 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 7.5 | 0.29 | 1 |
| Ethyl ether | ND | | ug/kg | 9.4 | 0.49 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 9.4 | 0.74 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 118 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 108 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12
Client ID: SB-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 13:27
Analyst: JC
Percent Solids: 89%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 22 | 3.7 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 3.4 | 0.60 | 1 |
| Chloroform | ND | | ug/kg | 3.4 | 0.83 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 2.2 | 0.77 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 7.8 | 0.51 | 1 |
| Dibromochloromethane | ND | | ug/kg | 2.2 | 0.39 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 3.4 | 0.70 | 1 |
| Tetrachloroethene | 45 | | ug/kg | 2.2 | 0.68 | 1 |
| Chlorobenzene | ND | | ug/kg | 2.2 | 0.78 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 11 | 0.93 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 2.2 | 0.55 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 2.2 | 0.78 | 1 |
| Bromodichloromethane | ND | | ug/kg | 2.2 | 0.69 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 2.2 | 0.46 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 2.2 | 0.52 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 2.2 | 0.46 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 11 | 0.73 | 1 |
| Bromoform | ND | | ug/kg | 8.9 | 0.53 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 2.2 | 0.67 | 1 |
| Benzene | ND | | ug/kg | 2.2 | 0.43 | 1 |
| Toluene | 0.51 | J | ug/kg | 3.4 | 0.44 | 1 |
| Ethylbenzene | ND | | ug/kg | 2.2 | 0.38 | 1 |
| Chloromethane | ND | | ug/kg | 11 | 0.98 | 1 |
| Bromomethane | ND | | ug/kg | 4.5 | 0.76 | 1 |
| Vinyl chloride | ND | | ug/kg | 4.5 | 0.70 | 1 |
| Chloroethane | ND | | ug/kg | 4.5 | 0.71 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 2.2 | 0.83 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 3.4 | 0.54 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12 Date Collected: 06/04/18 10:10

Client ID: SB-4B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 4.1 | | ug/kg | 2.2 | 0.68 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 11 | 0.41 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 11 | 0.49 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 11 | 0.41 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 4.5 | 0.34 | 1 |
| p/m-Xylene | ND | | ug/kg | 4.5 | 0.78 | 1 |
| o-Xylene | ND | | ug/kg | 4.5 | 0.76 | 1 |
| Xylenes, Total | ND | | ug/kg | 4.5 | 0.76 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 2.2 | 0.76 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 2.2 | 0.54 | 1 |
| Dibromomethane | ND | | ug/kg | 22 | 0.53 | 1 |
| Styrene | ND | | ug/kg | 4.5 | 0.90 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 22 | 1.1 | 1 |
| Acetone | 37 | | ug/kg | 22 | 5.1 | 1 |
| Carbon disulfide | ND | | ug/kg | 22 | 2.5 | 1 |
| 2-Butanone | 3.4 | J | ug/kg | 22 | 1.5 | 1 |
| Vinyl acetate | ND | | ug/kg | 22 | 0.34 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 22 | 0.54 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 22 | 0.40 | 1 |
| 2-Hexanone | ND | | ug/kg | 22 | 1.5 | 1 |
| Bromochloromethane | ND | | ug/kg | 11 | 0.80 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 11 | 1.0 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 8.9 | 0.44 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 11 | 0.41 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 2.2 | 0.71 | 1 |
| Bromobenzene | ND | | ug/kg | 11 | 0.49 | 1 |
| n-Butylbenzene | ND | | ug/kg | 2.2 | 0.51 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 2.2 | 0.48 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 11 | 0.55 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 11 | 0.49 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 11 | 0.41 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 11 | 0.88 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 11 | 0.78 | 1 |
| Isopropylbenzene | ND | | ug/kg | 2.2 | 0.43 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 2.2 | 0.45 | 1 |
| Naphthalene | ND | | ug/kg | 11 | 0.31 | 1 |
| Acrylonitrile | ND | | ug/kg | 22 | 1.1 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12
Client ID: SB-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 2.2 | 0.48 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 11 | 0.56 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 11 | 0.48 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 11 | 0.36 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 11 | 0.42 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 89 | 32. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 8.9 | 8.9 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 8.9 | 0.52 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 8.9 | 0.35 | 1 |
| Ethyl ether | ND | | ug/kg | 11 | 0.58 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 11 | 0.88 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 120 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 109 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13
Client ID: SB-5B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 13:53
Analyst: JC
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 12 | 2.1 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.9 | 0.34 | 1 |
| Chloroform | ND | | ug/kg | 1.9 | 0.46 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.2 | 0.43 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.4 | 0.28 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.2 | 0.22 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.9 | 0.39 | 1 |
| Tetrachloroethene | 2.9 | | ug/kg | 1.2 | 0.38 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.2 | 0.44 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.3 | 0.52 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.2 | 0.31 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.2 | 0.44 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.2 | 0.38 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.26 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.29 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.2 | 0.26 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.3 | 0.41 | 1 |
| Bromoform | ND | | ug/kg | 5.0 | 0.30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.2 | 0.37 | 1 |
| Benzene | ND | | ug/kg | 1.2 | 0.24 | 1 |
| Toluene | ND | | ug/kg | 1.9 | 0.24 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.2 | 0.21 | 1 |
| Chloromethane | ND | | ug/kg | 6.3 | 0.55 | 1 |
| Bromomethane | ND | | ug/kg | 2.5 | 0.42 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.5 | 0.39 | 1 |
| Chloroethane | ND | | ug/kg | 2.5 | 0.40 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.2 | 0.47 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.9 | 0.30 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13 Date Collected: 06/05/18 11:50

Client ID: SB-5B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 3.8 | | ug/kg | 1.2 | 0.38 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.3 | 0.23 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.3 | 0.27 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.3 | 0.23 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.5 | 0.19 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.5 | 0.44 | 1 |
| o-Xylene | ND | | ug/kg | 2.5 | 0.42 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.5 | 0.42 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.2 | 0.43 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.2 | 0.30 | 1 |
| Dibromomethane | ND | | ug/kg | 12 | 0.30 | 1 |
| Styrene | ND | | ug/kg | 2.5 | 0.50 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 12 | 0.63 | 1 |
| Acetone | 4.4 | J | ug/kg | 12 | 2.9 | 1 |
| Carbon disulfide | ND | | ug/kg | 12 | 1.4 | 1 |
| 2-Butanone | ND | | ug/kg | 12 | 0.86 | 1 |
| Vinyl acetate | ND | | ug/kg | 12 | 0.19 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 12 | 0.30 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 12 | 0.22 | 1 |
| 2-Hexanone | ND | | ug/kg | 12 | 0.83 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.3 | 0.45 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.3 | 0.56 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.0 | 0.25 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.3 | 0.23 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.2 | 0.40 | 1 |
| Bromobenzene | ND | | ug/kg | 6.3 | 0.27 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.2 | 0.28 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.2 | 0.27 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.3 | 0.31 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.3 | 0.28 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.3 | 0.23 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.3 | 0.50 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.3 | 0.44 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.2 | 0.24 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.2 | 0.25 | 1 |
| Naphthalene | 1.4 | J | ug/kg | 6.3 | 0.17 | 1 |
| Acrylonitrile | ND | | ug/kg | 12 | 0.64 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13 Date Collected: 06/05/18 11:50

Client ID: SB-5B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.2 | 0.27 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.3 | 0.31 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.3 | 0.27 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.3 | 0.20 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.3 | 0.23 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 50 | 18. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.0 | 5.0 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.0 | 0.29 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.0 | 0.20 | 1 |
| Ethyl ether | ND | | ug/kg | 6.3 | 0.32 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.3 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 117 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 110 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14
Client ID: SB-6B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 14:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 14:19
Analyst: JC
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 13 | 2.2 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.0 | 0.36 | 1 |
| Chloroform | ND | | ug/kg | 2.0 | 0.50 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.3 | 0.46 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.7 | 0.31 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.3 | 0.24 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.0 | 0.42 | 1 |
| Tetrachloroethene | 8.4 | | ug/kg | 1.3 | 0.41 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.3 | 0.47 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.7 | 0.56 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.3 | 0.33 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.3 | 0.47 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.3 | 0.41 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.28 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.31 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.3 | 0.28 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.7 | 0.44 | 1 |
| Bromoform | ND | | ug/kg | 5.4 | 0.32 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.40 | 1 |
| Benzene | ND | | ug/kg | 1.3 | 0.26 | 1 |
| Toluene | ND | | ug/kg | 2.0 | 0.26 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.3 | 0.23 | 1 |
| Chloromethane | ND | | ug/kg | 6.7 | 0.59 | 1 |
| Bromomethane | ND | | ug/kg | 2.7 | 0.45 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.7 | 0.42 | 1 |
| Chloroethane | ND | | ug/kg | 2.7 | 0.42 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.3 | 0.50 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.32 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14 Date Collected: 06/05/18 14:10

Client ID: SB-6B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 1.2 | J | ug/kg | 1.3 | 0.41 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.7 | 0.24 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.7 | 0.29 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.7 | 0.24 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.7 | 0.20 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.7 | 0.47 | 1 |
| o-Xylene | ND | | ug/kg | 2.7 | 0.45 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.7 | 0.45 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.46 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.3 | 0.32 | 1 |
| Dibromomethane | ND | | ug/kg | 13 | 0.32 | 1 |
| Styrene | ND | | ug/kg | 2.7 | 0.54 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 13 | 0.67 | 1 |
| Acetone | ND | | ug/kg | 13 | 3.1 | 1 |
| Carbon disulfide | ND | | ug/kg | 13 | 1.5 | 1 |
| 2-Butanone | ND | | ug/kg | 13 | 0.93 | 1 |
| Vinyl acetate | ND | | ug/kg | 13 | 0.20 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 13 | 0.33 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 13 | 0.24 | 1 |
| 2-Hexanone | ND | | ug/kg | 13 | 0.90 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.7 | 0.48 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.7 | 0.60 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.4 | 0.27 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.7 | 0.25 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.43 | 1 |
| Bromobenzene | ND | | ug/kg | 6.7 | 0.29 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.3 | 0.31 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.3 | 0.29 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.7 | 0.33 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.7 | 0.30 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.7 | 0.25 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.7 | 0.53 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.7 | 0.47 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.3 | 0.26 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.3 | 0.27 | 1 |
| Naphthalene | ND | | ug/kg | 6.7 | 0.18 | 1 |
| Acrylonitrile | ND | | ug/kg | 13 | 0.69 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14 Date Collected: 06/05/18 14:10

Client ID: SB-6B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.3 | 0.29 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.7 | 0.34 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.7 | 0.29 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.7 | 0.22 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.7 | 0.25 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 54 | 19. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.4 | 5.4 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.4 | 0.31 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.4 | 0.21 | 1 |
| Ethyl ether | ND | | ug/kg | 6.7 | 0.35 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.7 | 0.53 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 119 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 70-130 |
| Dibromofluoromethane | 107 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15
Client ID: SB-7B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 12:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/18 14:45
Analyst: JC
Percent Solids: 84%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 13 | 2.2 | 1 |
| 1,1-Dichloroethane | 0.58 | J | ug/kg | 2.0 | 0.36 | 1 |
| Chloroform | ND | | ug/kg | 2.0 | 0.49 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.3 | 0.46 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.6 | 0.30 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.3 | 0.23 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.0 | 0.41 | 1 |
| Tetrachloroethene | 110 | | ug/kg | 1.3 | 0.40 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.3 | 0.46 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.6 | 0.55 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.3 | 0.32 | 1 |
| 1,1,1-Trichloroethane | 4.7 | | ug/kg | 1.3 | 0.46 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.3 | 0.41 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.27 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.30 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.3 | 0.27 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.6 | 0.43 | 1 |
| Bromoform | ND | | ug/kg | 5.3 | 0.31 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.39 | 1 |
| Benzene | ND | | ug/kg | 1.3 | 0.25 | 1 |
| Toluene | ND | | ug/kg | 2.0 | 0.26 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.3 | 0.22 | 1 |
| Chloromethane | ND | | ug/kg | 6.6 | 0.58 | 1 |
| Bromomethane | ND | | ug/kg | 2.6 | 0.45 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.6 | 0.42 | 1 |
| Chloroethane | ND | | ug/kg | 2.6 | 0.42 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.3 | 0.49 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.32 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15 Date Collected: 06/04/18 12:15

Client ID: SB-7B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 18 | | ug/kg | 1.3 | 0.40 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.6 | 0.24 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.6 | 0.29 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.6 | 0.24 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.6 | 0.20 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.6 | 0.46 | 1 |
| o-Xylene | ND | | ug/kg | 2.6 | 0.45 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.6 | 0.45 | 1 |
| cis-1,2-Dichloroethene | 13 | | ug/kg | 1.3 | 0.45 | 1 |
| 1,2-Dichloroethene, Total | 13 | | ug/kg | 1.3 | 0.32 | 1 |
| Dibromomethane | ND | | ug/kg | 13 | 0.32 | 1 |
| Styrene | ND | | ug/kg | 2.6 | 0.53 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 13 | 0.66 | 1 |
| Acetone | 8.1 | J | ug/kg | 13 | 3.0 | 1 |
| Carbon disulfide | ND | | ug/kg | 13 | 1.4 | 1 |
| 2-Butanone | ND | | ug/kg | 13 | 0.91 | 1 |
| Vinyl acetate | ND | | ug/kg | 13 | 0.20 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 13 | 0.32 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 13 | 0.23 | 1 |
| 2-Hexanone | ND | | ug/kg | 13 | 0.88 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.6 | 0.47 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.6 | 0.59 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.3 | 0.26 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.6 | 0.24 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.42 | 1 |
| Bromobenzene | ND | | ug/kg | 6.6 | 0.29 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.3 | 0.30 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.3 | 0.29 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.6 | 0.32 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.6 | 0.29 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.6 | 0.24 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.6 | 0.52 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.6 | 0.46 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.3 | 0.26 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.3 | 0.27 | 1 |
| Naphthalene | ND | | ug/kg | 6.6 | 0.18 | 1 |
| Acrylonitrile | ND | | ug/kg | 13 | 0.68 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15
Client ID: SB-7B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 12:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.3 | 0.28 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.6 | 0.33 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.6 | 0.28 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.6 | 0.21 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.6 | 0.24 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 53 | 19. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.3 | 5.3 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.3 | 0.31 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.3 | 0.20 | 1 |
| Ethyl ether | ND | | ug/kg | 6.6 | 0.34 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.6 | 0.52 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 117 | | 70-130 |
| Toluene-d8 | 96 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 105 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16
Client ID: SB-8B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 12:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/18 16:18
Analyst: JC
Percent Solids: 89%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 15 | 2.5 | 1 |
| 1,1-Dichloroethane | 16 | | ug/kg | 2.3 | 0.41 | 1 |
| Chloroform | ND | | ug/kg | 2.3 | 0.56 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.5 | 0.52 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 5.3 | 0.34 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.5 | 0.27 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.3 | 0.47 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.5 | 0.46 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.5 | 0.53 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 7.6 | 0.63 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.5 | 0.37 | 1 |
| 1,1,1-Trichloroethane | 190 | | ug/kg | 1.5 | 0.53 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.5 | 0.47 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.5 | 0.32 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.5 | 0.35 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.5 | 0.32 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 7.6 | 0.50 | 1 |
| Bromoform | ND | | ug/kg | 6.1 | 0.36 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.5 | 0.45 | 1 |
| Benzene | ND | | ug/kg | 1.5 | 0.29 | 1 |
| Toluene | 2.1 | J | ug/kg | 2.3 | 0.30 | 1 |
| Ethylbenzene | 2.6 | | ug/kg | 1.5 | 0.26 | 1 |
| Chloromethane | ND | | ug/kg | 7.6 | 0.66 | 1 |
| Bromomethane | ND | | ug/kg | 3.0 | 0.51 | 1 |
| Vinyl chloride | 5.0 | | ug/kg | 3.0 | 0.48 | 1 |
| Chloroethane | ND | | ug/kg | 3.0 | 0.48 | 1 |
| 1,1-Dichloroethene | 2.1 | | ug/kg | 1.5 | 0.56 | 1 |
| trans-1,2-Dichloroethene | 0.66 | J | ug/kg | 2.3 | 0.36 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16 Date Collected: 06/05/18 12:30

Client ID: SB-8B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 1.5 | 0.46 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 7.6 | 0.28 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 7.6 | 0.33 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 7.6 | 0.28 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.0 | 0.23 | 1 |
| p/m-Xylene | 1.4 | J | ug/kg | 3.0 | 0.53 | 1 |
| o-Xylene | 2.3 | J | ug/kg | 3.0 | 0.51 | 1 |
| Xylenes, Total | 3.7 | J | ug/kg | 3.0 | 0.51 | 1 |
| cis-1,2-Dichloroethene | 410 | | ug/kg | 1.5 | 0.52 | 1 |
| 1,2-Dichloroethene, Total | 410 | J | ug/kg | 1.5 | 0.36 | 1 |
| Dibromomethane | ND | | ug/kg | 15 | 0.36 | 1 |
| Styrene | ND | | ug/kg | 3.0 | 0.61 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 15 | 0.76 | 1 |
| Acetone | 29 | | ug/kg | 15 | 3.5 | 1 |
| Carbon disulfide | 3.4 | J | ug/kg | 15 | 1.7 | 1 |
| 2-Butanone | 8.3 | J | ug/kg | 15 | 1.0 | 1 |
| Vinyl acetate | ND | | ug/kg | 15 | 0.23 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 15 | 0.37 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 15 | 0.27 | 1 |
| 2-Hexanone | ND | | ug/kg | 15 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/kg | 7.6 | 0.54 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 7.6 | 0.68 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 6.1 | 0.30 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 7.6 | 0.28 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.5 | 0.48 | 1 |
| Bromobenzene | ND | | ug/kg | 7.6 | 0.33 | 1 |
| n-Butylbenzene | 1.3 | J | ug/kg | 1.5 | 0.34 | 1 |
| sec-Butylbenzene | 0.91 | J | ug/kg | 1.5 | 0.33 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 7.6 | 0.37 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 7.6 | 0.34 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 7.6 | 0.28 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 7.6 | 0.60 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 7.6 | 0.53 | 1 |
| Isopropylbenzene | 0.86 | J | ug/kg | 1.5 | 0.29 | 1 |
| p-Isopropyltoluene | 0.42 | J | ug/kg | 1.5 | 0.31 | 1 |
| Naphthalene | 0.66 | J | ug/kg | 7.6 | 0.21 | 1 |
| Acrylonitrile | ND | | ug/kg | 15 | 0.78 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16
Client ID: SB-8B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 12:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | 3.4 | | ug/kg | 1.5 | 0.33 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 7.6 | 0.38 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 7.6 | 0.33 | 1 |
| 1,3,5-Trimethylbenzene | 1.5 | J | ug/kg | 7.6 | 0.24 | 1 |
| 1,2,4-Trimethylbenzene | 6.0 | J | ug/kg | 7.6 | 0.28 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 61 | 22. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 6.1 | 6.1 | 1 |
| p-Ethyltoluene | 1.6 | J | ug/kg | 6.1 | 0.35 | 1 |
| 1,2,4,5-Tetramethylbenzene | 3.2 | J | ug/kg | 6.1 | 0.24 | 1 |
| Ethyl ether | ND | | ug/kg | 7.6 | 0.39 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 7.6 | 0.59 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 105 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17
Client ID: DUP-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 07:33
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/18 17:09
Analyst: JC
Percent Solids: 93%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 590 | 98. | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 89 | 16. | 1 |
| Chloroform | ND | | ug/kg | 89 | 22. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 59 | 20. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 210 | 14. | 1 |
| Dibromochloromethane | ND | | ug/kg | 59 | 10. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 89 | 18. | 1 |
| Tetrachloroethene | 850 | | ug/kg | 59 | 18. | 1 |
| Chlorobenzene | ND | | ug/kg | 59 | 21. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 300 | 25. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 59 | 14. | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 59 | 21. | 1 |
| Bromodichloromethane | ND | | ug/kg | 59 | 18. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 59 | 12. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 59 | 14. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 59 | 12. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 300 | 19. | 1 |
| Bromoform | ND | | ug/kg | 240 | 14. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 59 | 18. | 1 |
| Benzene | ND | | ug/kg | 59 | 11. | 1 |
| Toluene | ND | | ug/kg | 89 | 12. | 1 |
| Ethylbenzene | ND | | ug/kg | 59 | 10. | 1 |
| Chloromethane | ND | | ug/kg | 300 | 26. | 1 |
| Bromomethane | ND | | ug/kg | 120 | 20. | 1 |
| Vinyl chloride | ND | | ug/kg | 120 | 19. | 1 |
| Chloroethane | ND | | ug/kg | 120 | 19. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 59 | 22. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 89 | 14. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17 Date Collected: 06/04/18 07:33

Client ID: DUP-1 Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 24 | J | ug/kg | 59 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 300 | 11. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 300 | 13. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 300 | 11. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 120 | 9.0 | 1 |
| p/m-Xylene | ND | | ug/kg | 120 | 21. | 1 |
| o-Xylene | ND | | ug/kg | 120 | 20. | 1 |
| Xylenes, Total | ND | | ug/kg | 120 | 20. | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 59 | 20. | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 59 | 14. | 1 |
| Dibromomethane | ND | | ug/kg | 590 | 14. | 1 |
| Styrene | ND | | ug/kg | 120 | 24. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 590 | 30. | 1 |
| Acetone | ND | | ug/kg | 590 | 140 | 1 |
| Carbon disulfide | ND | | ug/kg | 590 | 65. | 1 |
| 2-Butanone | ND | | ug/kg | 590 | 41. | 1 |
| Vinyl acetate | ND | | ug/kg | 590 | 9.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 590 | 14. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 590 | 10. | 1 |
| 2-Hexanone | ND | | ug/kg | 590 | 39. | 1 |
| Bromochloromethane | ND | | ug/kg | 300 | 21. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 300 | 27. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 240 | 12. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 300 | 11. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 59 | 19. | 1 |
| Bromobenzene | ND | | ug/kg | 300 | 13. | 1 |
| n-Butylbenzene | ND | | ug/kg | 59 | 14. | 1 |
| sec-Butylbenzene | ND | | ug/kg | 59 | 13. | 1 |
| tert-Butylbenzene | ND | | ug/kg | 300 | 15. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 300 | 13. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 300 | 11. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 300 | 23. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 300 | 21. | 1 |
| Isopropylbenzene | ND | | ug/kg | 59 | 11. | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 59 | 12. | 1 |
| Naphthalene | ND | | ug/kg | 300 | 8.2 | 1 |
| Acrylonitrile | ND | | ug/kg | 590 | 30. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17
Client ID: DUP-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 07:33
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 59 | 13. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 300 | 15. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 300 | 13. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 300 | 9.5 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 300 | 11. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 2400 | 850 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 240 | 240 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 240 | 14. | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 240 | 9.2 | 1 |
| Ethyl ether | ND | | ug/kg | 300 | 15. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 300 | 23. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 105 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 97 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/18 17:35
Analyst: JC
Percent Solids: 90%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 830 | 140 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 120 | 22. | 1 |
| Chloroform | ND | | ug/kg | 120 | 31. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 83 | 28. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 290 | 19. | 1 |
| Dibromochloromethane | ND | | ug/kg | 83 | 14. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 120 | 26. | 1 |
| Tetrachloroethene | 7400 | | ug/kg | 83 | 25. | 1 |
| Chlorobenzene | ND | | ug/kg | 83 | 29. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 410 | 34. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 83 | 20. | 1 |
| 1,1,1-Trichloroethane | 91 | | ug/kg | 83 | 29. | 1 |
| Bromodichloromethane | ND | | ug/kg | 83 | 26. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 83 | 17. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 83 | 19. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 83 | 17. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 410 | 27. | 1 |
| Bromoform | ND | | ug/kg | 330 | 20. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 83 | 25. | 1 |
| Benzene | ND | | ug/kg | 83 | 16. | 1 |
| Toluene | 31 | J | ug/kg | 120 | 16. | 1 |
| Ethylbenzene | ND | | ug/kg | 83 | 14. | 1 |
| Chloromethane | ND | | ug/kg | 410 | 36. | 1 |
| Bromomethane | ND | | ug/kg | 160 | 28. | 1 |
| Vinyl chloride | ND | | ug/kg | 160 | 26. | 1 |
| Chloroethane | ND | | ug/kg | 160 | 26. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 83 | 31. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 120 | 20. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18 Date Collected: 06/04/18 07:54

Client ID: DUP-2 Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 4700 | | ug/kg | 83 | 25. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 410 | 15. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 410 | 18. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 410 | 15. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 160 | 13. | 1 |
| p/m-Xylene | 36 | J | ug/kg | 160 | 29. | 1 |
| o-Xylene | ND | | ug/kg | 160 | 28. | 1 |
| Xylenes, Total | 36 | J | ug/kg | 160 | 28. | 1 |
| cis-1,2-Dichloroethene | 340 | | ug/kg | 83 | 28. | 1 |
| 1,2-Dichloroethene, Total | 340 | | ug/kg | 83 | 20. | 1 |
| Dibromomethane | ND | | ug/kg | 830 | 20. | 1 |
| Styrene | ND | | ug/kg | 160 | 33. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 830 | 41. | 1 |
| Acetone | ND | | ug/kg | 830 | 190 | 1 |
| Carbon disulfide | ND | | ug/kg | 830 | 91. | 1 |
| 2-Butanone | ND | | ug/kg | 830 | 57. | 1 |
| Vinyl acetate | ND | | ug/kg | 830 | 13. | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 830 | 20. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 830 | 15. | 1 |
| 2-Hexanone | ND | | ug/kg | 830 | 55. | 1 |
| Bromochloromethane | ND | | ug/kg | 410 | 30. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 410 | 37. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 330 | 16. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 410 | 15. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 83 | 26. | 1 |
| Bromobenzene | ND | | ug/kg | 410 | 18. | 1 |
| n-Butylbenzene | ND | | ug/kg | 83 | 19. | 1 |
| sec-Butylbenzene | ND | | ug/kg | 83 | 18. | 1 |
| tert-Butylbenzene | ND | | ug/kg | 410 | 20. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 410 | 18. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 410 | 15. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 410 | 33. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 410 | 29. | 1 |
| Isopropylbenzene | ND | | ug/kg | 83 | 16. | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 83 | 17. | 1 |
| Naphthalene | 870 | | ug/kg | 410 | 11. | 1 |
| Acrylonitrile | ND | | ug/kg | 830 | 42. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 83 | 18. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 410 | 21. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 410 | 18. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 410 | 13. | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 410 | 15. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 3300 | 1200 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 330 | 330 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 330 | 19. | 1 |
| 1,2,4,5-Tetramethylbenzene | 24 | J | ug/kg | 330 | 13. | 1 |
| Ethyl ether | ND | | ug/kg | 410 | 22. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 410 | 32. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/11/18 22:34
Analyst: NLK

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | 0.83 | J | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | 2.9 | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | 67 | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | 4.3 | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | 0.42 | J | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19 Date Collected: 06/05/18 16:00

Client ID: MW-A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Trichloroethene | 27 | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | 120 | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | 120 | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | 2.0 | J | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | 2.6 | | ug/l | 2.5 | 0.70 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19 Date Collected: 06/05/18 16:00

Client ID: MW-A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.54 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 96 | | 70-130 |
| 4-Bromofluorobenzene | 93 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20 D
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/11/18 22:56
Analyst: NLK

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethane | 18 | | ug/l | 12 | 3.5 | 5 |
| Chloroform | ND | | ug/l | 12 | 3.5 | 5 |
| Carbon tetrachloride | ND | | ug/l | 2.5 | 0.67 | 5 |
| 1,2-Dichloropropane | ND | | ug/l | 5.0 | 0.68 | 5 |
| Dibromochloromethane | ND | | ug/l | 2.5 | 0.74 | 5 |
| 1,1,2-Trichloroethane | ND | | ug/l | 7.5 | 2.5 | 5 |
| Tetrachloroethene | 610 | | ug/l | 2.5 | 0.90 | 5 |
| Chlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichlorofluoromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dichloroethane | ND | | ug/l | 2.5 | 0.66 | 5 |
| 1,1,1-Trichloroethane | 110 | | ug/l | 12 | 3.5 | 5 |
| Bromodichloromethane | ND | | ug/l | 2.5 | 0.96 | 5 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.82 | 5 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.72 | 5 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 2.5 | 0.72 | 5 |
| 1,1-Dichloropropene | ND | | ug/l | 12 | 3.5 | 5 |
| Bromoform | ND | | ug/l | 10 | 3.2 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.84 | 5 |
| Benzene | ND | | ug/l | 2.5 | 0.80 | 5 |
| Toluene | ND | | ug/l | 12 | 3.5 | 5 |
| Ethylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Chloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromomethane | ND | | ug/l | 12 | 3.5 | 5 |
| Vinyl chloride | 2.3 | J | ug/l | 5.0 | 0.36 | 5 |
| Chloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethene | 7.2 | | ug/l | 2.5 | 0.84 | 5 |
| trans-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20 D Date Collected: 06/05/18 13:30
Client ID: MW-B Date Received: 06/05/18
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Trichloroethene | 160 | | ug/l | 2.5 | 0.88 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl tert butyl ether | ND | | ug/l | 12 | 3.5 | 5 |
| p/m-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| o-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| Xylenes, Total | ND | | ug/l | 12 | 3.5 | 5 |
| cis-1,2-Dichloroethene | 340 | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dichloroethene, Total | 340 | | ug/l | 12 | 3.5 | 5 |
| Dibromomethane | ND | | ug/l | 25 | 5.0 | 5 |
| 1,2,3-Trichloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| Acrylonitrile | ND | | ug/l | 25 | 7.5 | 5 |
| Styrene | ND | | ug/l | 12 | 3.5 | 5 |
| Dichlorodifluoromethane | ND | | ug/l | 25 | 5.0 | 5 |
| Acetone | ND | | ug/l | 25 | 7.3 | 5 |
| Carbon disulfide | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Butanone | ND | | ug/l | 25 | 9.7 | 5 |
| Vinyl acetate | ND | | ug/l | 25 | 5.0 | 5 |
| 4-Methyl-2-pentanone | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Hexanone | ND | | ug/l | 25 | 5.0 | 5 |
| Bromochloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 2,2-Dichloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dibromoethane | ND | | ug/l | 10 | 3.2 | 5 |
| 1,3-Dichloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| n-Butylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| sec-Butylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| tert-Butylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| o-Chlorotoluene | ND | | ug/l | 12 | 3.5 | 5 |
| p-Chlorotoluene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| Hexachlorobutadiene | ND | | ug/l | 12 | 3.5 | 5 |
| Isopropylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| p-Isopropyltoluene | ND | | ug/l | 12 | 3.5 | 5 |
| Naphthalene | ND | | ug/l | 12 | 3.5 | 5 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20 D Date Collected: 06/05/18 13:30
Client ID: MW-B Date Received: 06/05/18
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,4-Dioxane | ND | | ug/l | 1200 | 300 | 5 |
| p-Diethylbenzene | ND | | ug/l | 10 | 3.5 | 5 |
| p-Ethyltoluene | ND | | ug/l | 10 | 3.5 | 5 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 10 | 2.7 | 5 |
| Ethyl ether | ND | | ug/l | 12 | 3.5 | 5 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 12 | 3.5 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 105 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 92 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21 D
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/11/18 23:17
Analyst: NLK

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 62 | 18. | 25 |
| 1,1-Dichloroethane | ND | | ug/l | 62 | 18. | 25 |
| Chloroform | ND | | ug/l | 62 | 18. | 25 |
| Carbon tetrachloride | ND | | ug/l | 12 | 3.4 | 25 |
| 1,2-Dichloropropane | ND | | ug/l | 25 | 3.4 | 25 |
| Dibromochloromethane | ND | | ug/l | 12 | 3.7 | 25 |
| 1,1,2-Trichloroethane | ND | | ug/l | 38 | 12. | 25 |
| Tetrachloroethene | 2400 | | ug/l | 12 | 4.5 | 25 |
| Chlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| Trichlorofluoromethane | ND | | ug/l | 62 | 18. | 25 |
| 1,2-Dichloroethane | ND | | ug/l | 12 | 3.3 | 25 |
| 1,1,1-Trichloroethane | 450 | | ug/l | 62 | 18. | 25 |
| Bromodichloromethane | ND | | ug/l | 12 | 4.8 | 25 |
| trans-1,3-Dichloropropene | ND | | ug/l | 12 | 4.1 | 25 |
| cis-1,3-Dichloropropene | ND | | ug/l | 12 | 3.6 | 25 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 12 | 3.6 | 25 |
| 1,1-Dichloropropene | ND | | ug/l | 62 | 18. | 25 |
| Bromoform | ND | | ug/l | 50 | 16. | 25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 12 | 4.2 | 25 |
| Benzene | ND | | ug/l | 12 | 4.0 | 25 |
| Toluene | ND | | ug/l | 62 | 18. | 25 |
| Ethylbenzene | ND | | ug/l | 62 | 18. | 25 |
| Chloromethane | ND | | ug/l | 62 | 18. | 25 |
| Bromomethane | ND | | ug/l | 62 | 18. | 25 |
| Vinyl chloride | ND | | ug/l | 25 | 1.8 | 25 |
| Chloroethane | ND | | ug/l | 62 | 18. | 25 |
| 1,1-Dichloroethene | 41 | | ug/l | 12 | 4.2 | 25 |
| trans-1,2-Dichloroethene | ND | | ug/l | 62 | 18. | 25 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21 D Date Collected: 06/05/18 10:00
Client ID: MW-C Date Received: 06/05/18
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Trichloroethene | 350 | | ug/l | 12 | 4.4 | 25 |
| 1,2-Dichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,3-Dichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,4-Dichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| Methyl tert butyl ether | ND | | ug/l | 62 | 18. | 25 |
| p/m-Xylene | ND | | ug/l | 62 | 18. | 25 |
| o-Xylene | ND | | ug/l | 62 | 18. | 25 |
| Xylenes, Total | ND | | ug/l | 62 | 18. | 25 |
| cis-1,2-Dichloroethene | 280 | | ug/l | 62 | 18. | 25 |
| 1,2-Dichloroethene, Total | 280 | | ug/l | 62 | 18. | 25 |
| Dibromomethane | ND | | ug/l | 120 | 25. | 25 |
| 1,2,3-Trichloropropane | ND | | ug/l | 62 | 18. | 25 |
| Acrylonitrile | ND | | ug/l | 120 | 38. | 25 |
| Styrene | ND | | ug/l | 62 | 18. | 25 |
| Dichlorodifluoromethane | ND | | ug/l | 120 | 25. | 25 |
| Acetone | ND | | ug/l | 120 | 36. | 25 |
| Carbon disulfide | ND | | ug/l | 120 | 25. | 25 |
| 2-Butanone | ND | | ug/l | 120 | 48. | 25 |
| Vinyl acetate | ND | | ug/l | 120 | 25. | 25 |
| 4-Methyl-2-pentanone | ND | | ug/l | 120 | 25. | 25 |
| 2-Hexanone | ND | | ug/l | 120 | 25. | 25 |
| Bromochloromethane | ND | | ug/l | 62 | 18. | 25 |
| 2,2-Dichloropropane | ND | | ug/l | 62 | 18. | 25 |
| 1,2-Dibromoethane | ND | | ug/l | 50 | 16. | 25 |
| 1,3-Dichloropropane | ND | | ug/l | 62 | 18. | 25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 62 | 18. | 25 |
| Bromobenzene | ND | | ug/l | 62 | 18. | 25 |
| n-Butylbenzene | ND | | ug/l | 62 | 18. | 25 |
| sec-Butylbenzene | ND | | ug/l | 62 | 18. | 25 |
| tert-Butylbenzene | ND | | ug/l | 62 | 18. | 25 |
| o-Chlorotoluene | ND | | ug/l | 62 | 18. | 25 |
| p-Chlorotoluene | ND | | ug/l | 62 | 18. | 25 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 62 | 18. | 25 |
| Hexachlorobutadiene | ND | | ug/l | 62 | 18. | 25 |
| Isopropylbenzene | ND | | ug/l | 62 | 18. | 25 |
| p-Isopropyltoluene | ND | | ug/l | 62 | 18. | 25 |
| Naphthalene | ND | | ug/l | 62 | 18. | 25 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21 D
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,4-Dioxane | ND | | ug/l | 6200 | 1500 | 25 |
| p-Diethylbenzene | ND | | ug/l | 50 | 18. | 25 |
| p-Ethyltoluene | ND | | ug/l | 50 | 18. | 25 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 50 | 14. | 25 |
| Ethyl ether | ND | | ug/l | 62 | 18. | 25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 62 | 18. | 25 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 70-130 |
| Toluene-d8 | 96 | | 70-130 |
| 4-Bromofluorobenzene | 91 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22 D
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/12/18 10:48
Analyst: NLK

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 62 | 18. | 25 |
| 1,1-Dichloroethane | ND | | ug/l | 62 | 18. | 25 |
| Chloroform | ND | | ug/l | 62 | 18. | 25 |
| Carbon tetrachloride | ND | | ug/l | 12 | 3.4 | 25 |
| 1,2-Dichloropropane | ND | | ug/l | 25 | 3.4 | 25 |
| Dibromochloromethane | ND | | ug/l | 12 | 3.7 | 25 |
| 1,1,2-Trichloroethane | ND | | ug/l | 38 | 12. | 25 |
| Tetrachloroethene | 3100 | | ug/l | 12 | 4.5 | 25 |
| Chlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| Trichlorofluoromethane | ND | | ug/l | 62 | 18. | 25 |
| 1,2-Dichloroethane | ND | | ug/l | 12 | 3.3 | 25 |
| 1,1,1-Trichloroethane | 390 | | ug/l | 62 | 18. | 25 |
| Bromodichloromethane | ND | | ug/l | 12 | 4.8 | 25 |
| trans-1,3-Dichloropropene | ND | | ug/l | 12 | 4.1 | 25 |
| cis-1,3-Dichloropropene | ND | | ug/l | 12 | 3.6 | 25 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 12 | 3.6 | 25 |
| 1,1-Dichloropropene | ND | | ug/l | 62 | 18. | 25 |
| Bromoform | ND | | ug/l | 50 | 16. | 25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 12 | 4.2 | 25 |
| Benzene | ND | | ug/l | 12 | 4.0 | 25 |
| Toluene | ND | | ug/l | 62 | 18. | 25 |
| Ethylbenzene | ND | | ug/l | 62 | 18. | 25 |
| Chloromethane | ND | | ug/l | 62 | 18. | 25 |
| Bromomethane | ND | | ug/l | 62 | 18. | 25 |
| Vinyl chloride | ND | | ug/l | 25 | 1.8 | 25 |
| Chloroethane | ND | | ug/l | 62 | 18. | 25 |
| 1,1-Dichloroethene | 38 | | ug/l | 12 | 4.2 | 25 |
| trans-1,2-Dichloroethene | ND | | ug/l | 62 | 18. | 25 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22 D Date Collected: 06/05/18 11:50
Client ID: GW-DUP Date Received: 06/05/18
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Trichloroethene | 380 | | ug/l | 12 | 4.4 | 25 |
| 1,2-Dichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,3-Dichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,4-Dichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| Methyl tert butyl ether | ND | | ug/l | 62 | 18. | 25 |
| p/m-Xylene | ND | | ug/l | 62 | 18. | 25 |
| o-Xylene | ND | | ug/l | 62 | 18. | 25 |
| Xylenes, Total | ND | | ug/l | 62 | 18. | 25 |
| cis-1,2-Dichloroethene | 310 | | ug/l | 62 | 18. | 25 |
| 1,2-Dichloroethene, Total | 310 | | ug/l | 62 | 18. | 25 |
| Dibromomethane | ND | | ug/l | 120 | 25. | 25 |
| 1,2,3-Trichloropropane | ND | | ug/l | 62 | 18. | 25 |
| Acrylonitrile | ND | | ug/l | 120 | 38. | 25 |
| Styrene | ND | | ug/l | 62 | 18. | 25 |
| Dichlorodifluoromethane | ND | | ug/l | 120 | 25. | 25 |
| Acetone | ND | | ug/l | 120 | 36. | 25 |
| Carbon disulfide | ND | | ug/l | 120 | 25. | 25 |
| 2-Butanone | ND | | ug/l | 120 | 48. | 25 |
| Vinyl acetate | ND | | ug/l | 120 | 25. | 25 |
| 4-Methyl-2-pentanone | ND | | ug/l | 120 | 25. | 25 |
| 2-Hexanone | ND | | ug/l | 120 | 25. | 25 |
| Bromochloromethane | ND | | ug/l | 62 | 18. | 25 |
| 2,2-Dichloropropane | ND | | ug/l | 62 | 18. | 25 |
| 1,2-Dibromoethane | ND | | ug/l | 50 | 16. | 25 |
| 1,3-Dichloropropane | ND | | ug/l | 62 | 18. | 25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 62 | 18. | 25 |
| Bromobenzene | ND | | ug/l | 62 | 18. | 25 |
| n-Butylbenzene | ND | | ug/l | 62 | 18. | 25 |
| sec-Butylbenzene | ND | | ug/l | 62 | 18. | 25 |
| tert-Butylbenzene | ND | | ug/l | 62 | 18. | 25 |
| o-Chlorotoluene | ND | | ug/l | 62 | 18. | 25 |
| p-Chlorotoluene | ND | | ug/l | 62 | 18. | 25 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 62 | 18. | 25 |
| Hexachlorobutadiene | ND | | ug/l | 62 | 18. | 25 |
| Isopropylbenzene | ND | | ug/l | 62 | 18. | 25 |
| p-Isopropyltoluene | ND | | ug/l | 62 | 18. | 25 |
| Naphthalene | ND | | ug/l | 62 | 18. | 25 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22 D
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,4-Dioxane | ND | | ug/l | 6200 | 1500 | 25 |
| p-Diethylbenzene | ND | | ug/l | 50 | 18. | 25 |
| p-Ethyltoluene | ND | | ug/l | 50 | 18. | 25 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 50 | 14. | 25 |
| Ethyl ether | ND | | ug/l | 62 | 18. | 25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 62 | 18. | 25 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | | 70-130 |
| Toluene-d8 | 103 | | 70-130 |
| 4-Bromofluorobenzene | 109 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-29
Client ID: SS-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/18 16:44
Analyst: JC
Percent Solids: 90%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 13 | 2.1 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.9 | 0.35 | 1 |
| Chloroform | ND | | ug/kg | 1.9 | 0.48 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.3 | 0.44 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.5 | 0.29 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.3 | 0.23 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.9 | 0.40 | 1 |
| Tetrachloroethene | 1.2 | J | ug/kg | 1.3 | 0.39 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.3 | 0.45 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.4 | 0.54 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.3 | 0.32 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.3 | 0.45 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.3 | 0.40 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.27 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.30 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.3 | 0.27 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.4 | 0.42 | 1 |
| Bromoform | ND | | ug/kg | 5.2 | 0.31 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.38 | 1 |
| Benzene | ND | | ug/kg | 1.3 | 0.25 | 1 |
| Toluene | 0.42 | J | ug/kg | 1.9 | 0.25 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.3 | 0.22 | 1 |
| Chloromethane | ND | | ug/kg | 6.4 | 0.56 | 1 |
| Bromomethane | ND | | ug/kg | 2.6 | 0.44 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.6 | 0.41 | 1 |
| Chloroethane | ND | | ug/kg | 2.6 | 0.41 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.3 | 0.48 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.9 | 0.31 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-29 Date Collected: 06/04/18 08:30

Client ID: SS-1A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 1.3 | 0.39 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.4 | 0.24 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.4 | 0.28 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.4 | 0.24 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.6 | 0.20 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.6 | 0.45 | 1 |
| o-Xylene | ND | | ug/kg | 2.6 | 0.44 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.6 | 0.44 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.44 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.3 | 0.31 | 1 |
| Dibromomethane | ND | | ug/kg | 13 | 0.31 | 1 |
| Styrene | ND | | ug/kg | 2.6 | 0.52 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 13 | 0.64 | 1 |
| Acetone | ND | | ug/kg | 13 | 3.0 | 1 |
| Carbon disulfide | ND | | ug/kg | 13 | 1.4 | 1 |
| 2-Butanone | ND | | ug/kg | 13 | 0.89 | 1 |
| Vinyl acetate | ND | | ug/kg | 13 | 0.20 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 13 | 0.32 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 13 | 0.23 | 1 |
| 2-Hexanone | ND | | ug/kg | 13 | 0.86 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.4 | 0.46 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.4 | 0.58 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.2 | 0.26 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.4 | 0.24 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.41 | 1 |
| Bromobenzene | ND | | ug/kg | 6.4 | 0.28 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.3 | 0.29 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.3 | 0.28 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.4 | 0.32 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.4 | 0.28 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.4 | 0.24 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.4 | 0.51 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.4 | 0.45 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.3 | 0.25 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.3 | 0.26 | 1 |
| Naphthalene | ND | | ug/kg | 6.4 | 0.18 | 1 |
| Acrylonitrile | ND | | ug/kg | 13 | 0.66 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-29 Date Collected: 06/04/18 08:30

Client ID: SS-1A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.3 | 0.28 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.4 | 0.32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.4 | 0.28 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.4 | 0.21 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.4 | 0.24 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 52 | 19. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.2 | 5.2 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.2 | 0.30 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.2 | 0.20 | 1 |
| Ethyl ether | ND | | ug/kg | 6.4 | 0.34 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.4 | 0.51 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-30
Client ID: SS-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:08
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/18 05:33
Analyst: NLK
Percent Solids: 83%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 20 | 3.3 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 3.0 | 0.54 | 1 |
| Chloroform | ND | | ug/kg | 3.0 | 0.74 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 2.0 | 0.69 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 7.0 | 0.46 | 1 |
| Dibromochloromethane | ND | | ug/kg | 2.0 | 0.35 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 3.0 | 0.63 | 1 |
| Tetrachloroethene | 17 | | ug/kg | 2.0 | 0.60 | 1 |
| Chlorobenzene | ND | | ug/kg | 2.0 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 10 | 0.84 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 2.0 | 0.49 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 2.0 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/kg | 2.0 | 0.62 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 2.0 | 0.42 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 2.0 | 0.46 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 2.0 | 0.42 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 10 | 0.66 | 1 |
| Bromoform | ND | | ug/kg | 8.0 | 0.48 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 2.0 | 0.60 | 1 |
| Benzene | ND | | ug/kg | 2.0 | 0.39 | 1 |
| Toluene | ND | | ug/kg | 3.0 | 0.39 | 1 |
| Ethylbenzene | ND | | ug/kg | 2.0 | 0.34 | 1 |
| Chloromethane | ND | | ug/kg | 10 | 0.87 | 1 |
| Bromomethane | ND | | ug/kg | 4.0 | 0.68 | 1 |
| Vinyl chloride | ND | | ug/kg | 4.0 | 0.63 | 1 |
| Chloroethane | ND | | ug/kg | 4.0 | 0.63 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 2.0 | 0.75 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 3.0 | 0.48 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-30 Date Collected: 06/04/18 09:08

Client ID: SS-2A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 8.6 | | ug/kg | 2.0 | 0.60 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 10 | 0.36 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 10 | 0.44 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 10 | 0.36 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 4.0 | 0.31 | 1 |
| p/m-Xylene | ND | | ug/kg | 4.0 | 0.70 | 1 |
| o-Xylene | ND | | ug/kg | 4.0 | 0.68 | 1 |
| Xylenes, Total | ND | | ug/kg | 4.0 | 0.68 | 1 |
| cis-1,2-Dichloroethene | 1.1 | J | ug/kg | 2.0 | 0.68 | 1 |
| 1,2-Dichloroethene, Total | 1.1 | J | ug/kg | 2.0 | 0.48 | 1 |
| Dibromomethane | ND | | ug/kg | 20 | 0.48 | 1 |
| Styrene | ND | | ug/kg | 4.0 | 0.80 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 20 | 1.0 | 1 |
| Acetone | ND | | ug/kg | 20 | 4.6 | 1 |
| Carbon disulfide | ND | | ug/kg | 20 | 2.2 | 1 |
| 2-Butanone | ND | | ug/kg | 20 | 1.4 | 1 |
| Vinyl acetate | ND | | ug/kg | 20 | 0.31 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 20 | 0.49 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 20 | 0.35 | 1 |
| 2-Hexanone | ND | | ug/kg | 20 | 1.3 | 1 |
| Bromochloromethane | ND | | ug/kg | 10 | 0.72 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 10 | 0.90 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 8.0 | 0.40 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 10 | 0.37 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 2.0 | 0.64 | 1 |
| Bromobenzene | ND | | ug/kg | 10 | 0.44 | 1 |
| n-Butylbenzene | ND | | ug/kg | 2.0 | 0.46 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 2.0 | 0.44 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 10 | 0.50 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 10 | 0.44 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 10 | 0.37 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 10 | 0.79 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 10 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/kg | 2.0 | 0.39 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 2.0 | 0.40 | 1 |
| Naphthalene | ND | | ug/kg | 10 | 0.28 | 1 |
| Acrylonitrile | ND | | ug/kg | 20 | 1.0 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-30 Date Collected: 06/04/18 09:08

Client ID: SS-2A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 2.0 | 0.43 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 10 | 0.50 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 10 | 0.43 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 10 | 0.32 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 10 | 0.37 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 29. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 8.0 | 8.0 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 8.0 | 0.47 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 8.0 | 0.31 | 1 |
| Ethyl ether | ND | | ug/kg | 10 | 0.52 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 10 | 0.79 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 116 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 111 | | 70-130 |
| Dibromofluoromethane | 101 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31
Client ID: SS-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/18 18:00
Analyst: JC
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 1100 | 180 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 160 | 30. | 1 |
| Chloroform | ND | | ug/kg | 160 | 41. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 110 | 38. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 390 | 25. | 1 |
| Dibromochloromethane | ND | | ug/kg | 110 | 19. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 160 | 34. | 1 |
| Tetrachloroethene | 2400 | | ug/kg | 110 | 33. | 1 |
| Chlorobenzene | ND | | ug/kg | 110 | 38. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 550 | 46. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 110 | 27. | 1 |
| 1,1,1-Trichloroethane | 72 | J | ug/kg | 110 | 39. | 1 |
| Bromodichloromethane | ND | | ug/kg | 110 | 34. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 110 | 23. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 110 | 26. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 110 | 23. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 550 | 36. | 1 |
| Bromoform | ND | | ug/kg | 440 | 26. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 110 | 33. | 1 |
| Benzene | ND | | ug/kg | 110 | 21. | 1 |
| Toluene | ND | | ug/kg | 160 | 22. | 1 |
| Ethylbenzene | ND | | ug/kg | 110 | 19. | 1 |
| Chloromethane | ND | | ug/kg | 550 | 48. | 1 |
| Bromomethane | ND | | ug/kg | 220 | 37. | 1 |
| Vinyl chloride | ND | | ug/kg | 220 | 35. | 1 |
| Chloroethane | ND | | ug/kg | 220 | 35. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 110 | 41. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 160 | 27. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31 Date Collected: 06/04/18 09:45

Client ID: SS-3A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 530 | | ug/kg | 110 | 33. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 550 | 20. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 550 | 24. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 550 | 20. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 220 | 17. | 1 |
| p/m-Xylene | ND | | ug/kg | 220 | 39. | 1 |
| o-Xylene | ND | | ug/kg | 220 | 37. | 1 |
| Xylenes, Total | ND | | ug/kg | 220 | 37. | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 110 | 38. | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 110 | 27. | 1 |
| Dibromomethane | ND | | ug/kg | 1100 | 26. | 1 |
| Styrene | ND | | ug/kg | 220 | 44. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 1100 | 55. | 1 |
| Acetone | ND | | ug/kg | 1100 | 250 | 1 |
| Carbon disulfide | ND | | ug/kg | 1100 | 120 | 1 |
| 2-Butanone | ND | | ug/kg | 1100 | 76. | 1 |
| Vinyl acetate | ND | | ug/kg | 1100 | 17. | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 1100 | 27. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1100 | 20. | 1 |
| 2-Hexanone | ND | | ug/kg | 1100 | 74. | 1 |
| Bromochloromethane | ND | | ug/kg | 550 | 39. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 550 | 50. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 440 | 22. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 550 | 20. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 110 | 35. | 1 |
| Bromobenzene | ND | | ug/kg | 550 | 24. | 1 |
| n-Butylbenzene | ND | | ug/kg | 110 | 25. | 1 |
| sec-Butylbenzene | ND | | ug/kg | 110 | 24. | 1 |
| tert-Butylbenzene | ND | | ug/kg | 550 | 27. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 550 | 24. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 550 | 20. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 550 | 44. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 550 | 38. | 1 |
| Isopropylbenzene | ND | | ug/kg | 110 | 21. | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 110 | 22. | 1 |
| Naphthalene | 30 | J | ug/kg | 550 | 15. | 1 |
| Acrylonitrile | ND | | ug/kg | 1100 | 57. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31 Date Collected: 06/04/18 09:45

Client ID: SS-3A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 110 | 24. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 550 | 28. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 550 | 24. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 550 | 18. | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 550 | 20. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 4400 | 1600 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 440 | 440 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 440 | 26. | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 440 | 17. | 1 |
| Ethyl ether | ND | | ug/kg | 550 | 29. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 550 | 43. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-32
Client ID: SS-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/18 18:26
Analyst: JC
Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 840 | 140 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 130 | 23. | 1 |
| Chloroform | ND | | ug/kg | 130 | 31. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 84 | 29. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 300 | 19. | 1 |
| Dibromochloromethane | ND | | ug/kg | 84 | 15. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 130 | 26. | 1 |
| Tetrachloroethene | 1100 | | ug/kg | 84 | 26. | 1 |
| Chlorobenzene | ND | | ug/kg | 84 | 29. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 420 | 35. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 84 | 21. | 1 |
| 1,1,1-Trichloroethane | 79 | J | ug/kg | 84 | 30. | 1 |
| Bromodichloromethane | ND | | ug/kg | 84 | 26. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 84 | 18. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 84 | 20. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 84 | 18. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 420 | 28. | 1 |
| Bromoform | ND | | ug/kg | 340 | 20. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 84 | 25. | 1 |
| Benzene | ND | | ug/kg | 84 | 16. | 1 |
| Toluene | 39 | J | ug/kg | 130 | 16. | 1 |
| Ethylbenzene | ND | | ug/kg | 84 | 14. | 1 |
| Chloromethane | ND | | ug/kg | 420 | 37. | 1 |
| Bromomethane | ND | | ug/kg | 170 | 28. | 1 |
| Vinyl chloride | ND | | ug/kg | 170 | 27. | 1 |
| Chloroethane | ND | | ug/kg | 170 | 27. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 84 | 31. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 130 | 20. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-32 Date Collected: 06/04/18 10:20

Client ID: SS-4A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 410 | | ug/kg | 84 | 26. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 420 | 15. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 420 | 18. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 420 | 15. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 170 | 13. | 1 |
| p/m-Xylene | 62 | J | ug/kg | 170 | 30. | 1 |
| o-Xylene | 44 | J | ug/kg | 170 | 28. | 1 |
| Xylenes, Total | 110 | J | ug/kg | 170 | 28. | 1 |
| cis-1,2-Dichloroethene | 34 | J | ug/kg | 84 | 29. | 1 |
| 1,2-Dichloroethene, Total | 34 | J | ug/kg | 84 | 20. | 1 |
| Dibromomethane | ND | | ug/kg | 840 | 20. | 1 |
| Styrene | ND | | ug/kg | 170 | 34. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 840 | 42. | 1 |
| Acetone | ND | | ug/kg | 840 | 190 | 1 |
| Carbon disulfide | ND | | ug/kg | 840 | 93. | 1 |
| 2-Butanone | ND | | ug/kg | 840 | 58. | 1 |
| Vinyl acetate | ND | | ug/kg | 840 | 13. | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 840 | 21. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 840 | 15. | 1 |
| 2-Hexanone | ND | | ug/kg | 840 | 56. | 1 |
| Bromochloromethane | ND | | ug/kg | 420 | 30. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 420 | 38. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 340 | 17. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 420 | 15. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 84 | 27. | 1 |
| Bromobenzene | ND | | ug/kg | 420 | 18. | 1 |
| n-Butylbenzene | ND | | ug/kg | 84 | 19. | 1 |
| sec-Butylbenzene | ND | | ug/kg | 84 | 18. | 1 |
| tert-Butylbenzene | ND | | ug/kg | 420 | 21. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 420 | 19. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 420 | 15. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 420 | 33. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 420 | 29. | 1 |
| Isopropylbenzene | ND | | ug/kg | 84 | 16. | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 84 | 17. | 1 |
| Naphthalene | 170 | J | ug/kg | 420 | 12. | 1 |
| Acrylonitrile | ND | | ug/kg | 840 | 43. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-32 Date Collected: 06/04/18 10:20

Client ID: SS-4A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 84 | 18. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 420 | 21. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 420 | 18. | 1 |
| 1,3,5-Trimethylbenzene | 18 | J | ug/kg | 420 | 14. | 1 |
| 1,2,4-Trimethylbenzene | 17 | J | ug/kg | 420 | 16. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 3400 | 1200 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 340 | 340 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 340 | 20. | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 340 | 13. | 1 |
| Ethyl ether | ND | | ug/kg | 420 | 22. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 420 | 33. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33
Client ID: SS-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 08:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/18 18:51
Analyst: JC
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 560 | 93. | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 84 | 15. | 1 |
| Chloroform | ND | | ug/kg | 84 | 21. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 56 | 19. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 200 | 13. | 1 |
| Dibromochloromethane | ND | | ug/kg | 56 | 9.9 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 84 | 18. | 1 |
| Tetrachloroethene | 5400 | | ug/kg | 56 | 17. | 1 |
| Chlorobenzene | ND | | ug/kg | 56 | 20. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 280 | 23. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 56 | 14. | 1 |
| 1,1,1-Trichloroethane | 47 | J | ug/kg | 56 | 20. | 1 |
| Bromodichloromethane | ND | | ug/kg | 56 | 17. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 56 | 12. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 56 | 13. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 56 | 12. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 280 | 18. | 1 |
| Bromoform | ND | | ug/kg | 220 | 13. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 56 | 17. | 1 |
| Benzene | ND | | ug/kg | 56 | 11. | 1 |
| Toluene | 110 | | ug/kg | 84 | 11. | 1 |
| Ethylbenzene | 29 | J | ug/kg | 56 | 9.5 | 1 |
| Chloromethane | ND | | ug/kg | 280 | 24. | 1 |
| Bromomethane | ND | | ug/kg | 110 | 19. | 1 |
| Vinyl chloride | ND | | ug/kg | 110 | 18. | 1 |
| Chloroethane | ND | | ug/kg | 110 | 18. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 56 | 21. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 84 | 14. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33 Date Collected: 06/04/18 08:40

Client ID: SS-1B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 710 | | ug/kg | 56 | 17. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 280 | 10. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 280 | 12. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 280 | 10. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 110 | 8.6 | 1 |
| p/m-Xylene | 140 | | ug/kg | 110 | 20. | 1 |
| o-Xylene | 54 | J | ug/kg | 110 | 19. | 1 |
| Xylenes, Total | 190 | J | ug/kg | 110 | 19. | 1 |
| cis-1,2-Dichloroethene | 260 | | ug/kg | 56 | 19. | 1 |
| 1,2-Dichloroethene, Total | 260 | | ug/kg | 56 | 14. | 1 |
| Dibromomethane | ND | | ug/kg | 560 | 13. | 1 |
| Styrene | ND | | ug/kg | 110 | 22. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 560 | 28. | 1 |
| Acetone | ND | | ug/kg | 560 | 130 | 1 |
| Carbon disulfide | ND | | ug/kg | 560 | 62. | 1 |
| 2-Butanone | ND | | ug/kg | 560 | 39. | 1 |
| Vinyl acetate | ND | | ug/kg | 560 | 8.6 | 1 |
| 4-Methyl-2-pentanone | 160 | J | ug/kg | 560 | 14. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 560 | 9.9 | 1 |
| 2-Hexanone | ND | | ug/kg | 560 | 37. | 1 |
| Bromochloromethane | ND | | ug/kg | 280 | 20. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 280 | 25. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 220 | 11. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 280 | 10. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 56 | 18. | 1 |
| Bromobenzene | ND | | ug/kg | 280 | 12. | 1 |
| n-Butylbenzene | ND | | ug/kg | 56 | 13. | 1 |
| sec-Butylbenzene | ND | | ug/kg | 56 | 12. | 1 |
| tert-Butylbenzene | ND | | ug/kg | 280 | 14. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 280 | 12. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 280 | 10. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 280 | 22. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 280 | 20. | 1 |
| Isopropylbenzene | ND | | ug/kg | 56 | 11. | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 56 | 11. | 1 |
| Naphthalene | 26 | J | ug/kg | 280 | 7.8 | 1 |
| Acrylonitrile | ND | | ug/kg | 560 | 29. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33
Client ID: SS-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 08:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 56 | 12. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 280 | 14. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 280 | 12. | 1 |
| 1,3,5-Trimethylbenzene | 27 | J | ug/kg | 280 | 9.0 | 1 |
| 1,2,4-Trimethylbenzene | 32 | J | ug/kg | 280 | 10. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 2200 | 810 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 220 | 220 | 1 |
| p-Ethyltoluene | 34 | J | ug/kg | 220 | 13. | 1 |
| 1,2,4,5-Tetramethylbenzene | 11 | J | ug/kg | 220 | 8.8 | 1 |
| Ethyl ether | ND | | ug/kg | 280 | 15. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 280 | 22. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-34
Client ID: SS-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/18 19:17
Analyst: JC
Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 1400 | 230 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 210 | 37. | 1 |
| Chloroform | ND | | ug/kg | 210 | 51. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 140 | 47. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 480 | 31. | 1 |
| Dibromochloromethane | ND | | ug/kg | 140 | 24. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 210 | 43. | 1 |
| Tetrachloroethene | 6400 | | ug/kg | 140 | 42. | 1 |
| Chlorobenzene | ND | | ug/kg | 140 | 48. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 690 | 57. | 1 |
| 1,2-Dichloroethane | 710 | | ug/kg | 140 | 34. | 1 |
| 1,1,1-Trichloroethane | 100 | J | ug/kg | 140 | 48. | 1 |
| Bromodichloromethane | ND | | ug/kg | 140 | 42. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 140 | 29. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 140 | 32. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 140 | 29. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 690 | 45. | 1 |
| Bromoform | ND | | ug/kg | 550 | 33. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 140 | 41. | 1 |
| Benzene | ND | | ug/kg | 140 | 26. | 1 |
| Toluene | 42 | J | ug/kg | 210 | 27. | 1 |
| Ethylbenzene | ND | | ug/kg | 140 | 23. | 1 |
| Chloromethane | ND | | ug/kg | 690 | 60. | 1 |
| Bromomethane | ND | | ug/kg | 280 | 46. | 1 |
| Vinyl chloride | ND | | ug/kg | 280 | 43. | 1 |
| Chloroethane | ND | | ug/kg | 280 | 43. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 140 | 51. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 210 | 33. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-34 Date Collected: 06/04/18 09:20

Client ID: SS-2B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 16000 | | ug/kg | 140 | 42. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 690 | 25. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 690 | 30. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 690 | 25. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 280 | 21. | 1 |
| p/m-Xylene | ND | | ug/kg | 280 | 48. | 1 |
| o-Xylene | ND | | ug/kg | 280 | 46. | 1 |
| Xylenes, Total | ND | | ug/kg | 280 | 46. | 1 |
| cis-1,2-Dichloroethene | 560 | | ug/kg | 140 | 47. | 1 |
| 1,2-Dichloroethene, Total | 560 | | ug/kg | 140 | 33. | 1 |
| Dibromomethane | ND | | ug/kg | 1400 | 33. | 1 |
| Styrene | ND | | ug/kg | 280 | 55. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 1400 | 69. | 1 |
| Acetone | ND | | ug/kg | 1400 | 320 | 1 |
| Carbon disulfide | ND | | ug/kg | 1400 | 150 | 1 |
| 2-Butanone | ND | | ug/kg | 1400 | 95. | 1 |
| Vinyl acetate | ND | | ug/kg | 1400 | 21. | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 1400 | 34. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1400 | 24. | 1 |
| 2-Hexanone | ND | | ug/kg | 1400 | 92. | 1 |
| Bromochloromethane | ND | | ug/kg | 690 | 49. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 690 | 62. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 550 | 27. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 690 | 25. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 140 | 44. | 1 |
| Bromobenzene | ND | | ug/kg | 690 | 30. | 1 |
| n-Butylbenzene | ND | | ug/kg | 140 | 31. | 1 |
| sec-Butylbenzene | ND | | ug/kg | 140 | 30. | 1 |
| tert-Butylbenzene | ND | | ug/kg | 690 | 34. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 690 | 30. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 690 | 25. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 690 | 54. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 690 | 48. | 1 |
| Isopropylbenzene | ND | | ug/kg | 140 | 27. | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 140 | 28. | 1 |
| Naphthalene | 40 | J | ug/kg | 690 | 19. | 1 |
| Acrylonitrile | ND | | ug/kg | 1400 | 71. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-34
Client ID: SS-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 140 | 30. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 690 | 34. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 690 | 30. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 690 | 22. | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 690 | 26. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 5500 | 2000 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 550 | 550 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 550 | 32. | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 550 | 21. | 1 |
| Ethyl ether | ND | | ug/kg | 690 | 36. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 690 | 54. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-35
Client ID: SS-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/18 19:42
Analyst: JC
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 750 | 120 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 110 | 20. | 1 |
| Chloroform | ND | | ug/kg | 110 | 28. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 75 | 26. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 260 | 17. | 1 |
| Dibromochloromethane | ND | | ug/kg | 75 | 13. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 110 | 24. | 1 |
| Tetrachloroethene | 2800 | | ug/kg | 75 | 23. | 1 |
| Chlorobenzene | ND | | ug/kg | 75 | 26. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 380 | 31. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 75 | 18. | 1 |
| 1,1,1-Trichloroethane | 130 | | ug/kg | 75 | 26. | 1 |
| Bromodichloromethane | ND | | ug/kg | 75 | 23. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 75 | 16. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 75 | 17. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 75 | 16. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 380 | 25. | 1 |
| Bromoform | ND | | ug/kg | 300 | 18. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 75 | 22. | 1 |
| Benzene | ND | | ug/kg | 75 | 14. | 1 |
| Toluene | 15 | J | ug/kg | 110 | 15. | 1 |
| Ethylbenzene | ND | | ug/kg | 75 | 13. | 1 |
| Chloromethane | ND | | ug/kg | 380 | 33. | 1 |
| Bromomethane | ND | | ug/kg | 150 | 25. | 1 |
| Vinyl chloride | ND | | ug/kg | 150 | 24. | 1 |
| Chloroethane | ND | | ug/kg | 150 | 24. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 75 | 28. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 110 | 18. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-35 Date Collected: 06/04/18 09:55

Client ID: SS-3B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 1300 | | ug/kg | 75 | 23. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 380 | 14. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 380 | 16. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 380 | 14. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 150 | 12. | 1 |
| p/m-Xylene | ND | | ug/kg | 150 | 26. | 1 |
| o-Xylene | ND | | ug/kg | 150 | 25. | 1 |
| Xylenes, Total | ND | | ug/kg | 150 | 25. | 1 |
| cis-1,2-Dichloroethene | 41 | J | ug/kg | 75 | 26. | 1 |
| 1,2-Dichloroethene, Total | 41 | J | ug/kg | 75 | 18. | 1 |
| Dibromomethane | ND | | ug/kg | 750 | 18. | 1 |
| Styrene | ND | | ug/kg | 150 | 30. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 750 | 38. | 1 |
| Acetone | ND | | ug/kg | 750 | 170 | 1 |
| Carbon disulfide | ND | | ug/kg | 750 | 83. | 1 |
| 2-Butanone | ND | | ug/kg | 750 | 52. | 1 |
| Vinyl acetate | ND | | ug/kg | 750 | 12. | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 750 | 18. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 750 | 13. | 1 |
| 2-Hexanone | ND | | ug/kg | 750 | 50. | 1 |
| Bromochloromethane | ND | | ug/kg | 380 | 27. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 380 | 34. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 300 | 15. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 380 | 14. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 75 | 24. | 1 |
| Bromobenzene | ND | | ug/kg | 380 | 16. | 1 |
| n-Butylbenzene | ND | | ug/kg | 75 | 17. | 1 |
| sec-Butylbenzene | ND | | ug/kg | 75 | 16. | 1 |
| tert-Butylbenzene | ND | | ug/kg | 380 | 18. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 380 | 17. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 380 | 14. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 380 | 30. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 380 | 26. | 1 |
| Isopropylbenzene | ND | | ug/kg | 75 | 14. | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 75 | 15. | 1 |
| Naphthalene | 350 | J | ug/kg | 380 | 10. | 1 |
| Acrylonitrile | ND | | ug/kg | 750 | 39. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-35 Date Collected: 06/04/18 09:55

Client ID: SS-3B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 75 | 16. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 380 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 380 | 16. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 380 | 12. | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 380 | 14. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 3000 | 1100 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 300 | 300 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 300 | 18. | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 300 | 12. | 1 |
| Ethyl ether | ND | | ug/kg | 380 | 20. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 380 | 29. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 102 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-36
Client ID: SS-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/18 18:21
Analyst: JC
Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 19 | 3.1 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.8 | 0.50 | 1 |
| Chloroform | ND | | ug/kg | 2.8 | 0.69 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.9 | 0.64 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 6.5 | 0.42 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.9 | 0.33 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.8 | 0.58 | 1 |
| Tetrachloroethene | 4.2 | | ug/kg | 1.9 | 0.56 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.9 | 0.65 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 9.3 | 0.78 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.9 | 0.46 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.9 | 0.65 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.9 | 0.57 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.9 | 0.39 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.9 | 0.43 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.9 | 0.39 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 9.3 | 0.61 | 1 |
| Bromoform | ND | | ug/kg | 7.4 | 0.44 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.9 | 0.55 | 1 |
| Benzene | ND | | ug/kg | 1.9 | 0.36 | 1 |
| Toluene | 0.88 | J | ug/kg | 2.8 | 0.36 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.9 | 0.32 | 1 |
| Chloromethane | ND | | ug/kg | 9.3 | 0.81 | 1 |
| Bromomethane | ND | | ug/kg | 3.7 | 0.63 | 1 |
| Vinyl chloride | ND | | ug/kg | 3.7 | 0.59 | 1 |
| Chloroethane | ND | | ug/kg | 3.7 | 0.59 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.9 | 0.69 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.8 | 0.45 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-36
Client ID: SS-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Trichloroethene | 2.2 | | ug/kg | 1.9 | 0.56 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 9.3 | 0.34 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 9.3 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 9.3 | 0.34 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.7 | 0.28 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.7 | 0.65 | 1 |
| o-Xylene | ND | | ug/kg | 3.7 | 0.63 | 1 |
| Xylenes, Total | ND | | ug/kg | 3.7 | 0.63 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.9 | 0.64 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.9 | 0.45 | 1 |
| Dibromomethane | ND | | ug/kg | 19 | 0.44 | 1 |
| Styrene | ND | | ug/kg | 3.7 | 0.74 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 19 | 0.93 | 1 |
| Acetone | ND | | ug/kg | 19 | 4.3 | 1 |
| Carbon disulfide | ND | | ug/kg | 19 | 2.0 | 1 |
| 2-Butanone | ND | | ug/kg | 19 | 1.3 | 1 |
| Vinyl acetate | ND | | ug/kg | 19 | 0.28 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 19 | 0.45 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 19 | 0.33 | 1 |
| 2-Hexanone | ND | | ug/kg | 19 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 9.3 | 0.66 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 9.3 | 0.84 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 7.4 | 0.37 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 9.3 | 0.34 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.9 | 0.59 | 1 |
| Bromobenzene | ND | | ug/kg | 9.3 | 0.41 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.9 | 0.42 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.9 | 0.40 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 9.3 | 0.46 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 9.3 | 0.41 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 9.3 | 0.34 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 9.3 | 0.74 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 9.3 | 0.65 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.9 | 0.36 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.9 | 0.38 | 1 |
| Naphthalene | ND | | ug/kg | 9.3 | 0.26 | 1 |
| Acrylonitrile | ND | | ug/kg | 19 | 0.96 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-36
Client ID: SS-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.9 | 0.40 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 9.3 | 0.47 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 9.3 | 0.40 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 9.3 | 0.30 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 9.3 | 0.35 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 74 | 27. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 7.4 | 7.4 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 7.4 | 0.44 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 7.4 | 0.29 | 1 |
| Ethyl ether | ND | | ug/kg | 9.3 | 0.48 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 9.3 | 0.73 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 114 | | 70-130 |
| Toluene-d8 | 104 | | 70-130 |
| 4-Bromofluorobenzene | 114 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/18 20:34
Analyst: MKS

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



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38 Date Collected: 06/05/18 09:10

Client ID: FIELD BLANK Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.54 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 91 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 104 | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-39
Client ID: TRIP BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/18 20:59
Analyst: MKS

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



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-39 Date Collected: 06/05/18 09:10

Client ID: TRIP BLANK Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-39
Client ID: TRIP BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.54 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 92 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 94 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/18 19:43
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 38-39 Batch: WG1124451-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/18 19:43
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 38-39 Batch: WG1124451-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/18 19:43
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 38-39 Batch: WG1124451-5 | | | | | |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 |
| Naphthalene | 0.89 | J | ug/l | 2.5 | 0.70 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.54 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 91 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 104 | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/18 10:25
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04,06-15 Batch: WG1124522-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 10 | 1.6 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.5 | 0.27 |
| Chloroform | ND | | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloropropane | ND | | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.18 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.5 | 0.31 |
| Tetrachloroethene | ND | | ug/kg | 1.0 | 0.30 |
| Chlorobenzene | ND | | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane | ND | | ug/kg | 5.0 | 0.42 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.25 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.0 | 0.35 |
| Bromodichloromethane | ND | | ug/kg | 1.0 | 0.31 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.21 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.23 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.0 | 0.21 |
| 1,1-Dichloropropene | ND | | ug/kg | 5.0 | 0.33 |
| Bromoform | ND | | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.0 | 0.30 |
| Benzene | ND | | ug/kg | 1.0 | 0.19 |
| Toluene | ND | | ug/kg | 1.5 | 0.20 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| Chloromethane | ND | | ug/kg | 5.0 | 0.44 |
| Bromomethane | 0.39 | J | ug/kg | 2.0 | 0.34 |
| Vinyl chloride | ND | | ug/kg | 2.0 | 0.32 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.37 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.24 |
| Trichloroethene | ND | | ug/kg | 1.0 | 0.30 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/18 10:25
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04,06-15 Batch: WG1124522-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.22 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.18 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.15 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.35 |
| o-Xylene | ND | | ug/kg | 2.0 | 0.34 |
| Xylenes, Total | ND | | ug/kg | 2.0 | 0.34 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.24 |
| Dibromomethane | ND | | ug/kg | 10 | 0.24 |
| Styrene | ND | | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.50 |
| Acetone | ND | | ug/kg | 10 | 2.3 |
| Carbon disulfide | ND | | ug/kg | 10 | 1.1 |
| 2-Butanone | ND | | ug/kg | 10 | 0.69 |
| Vinyl acetate | ND | | ug/kg | 10 | 0.15 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 0.24 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 10 | 0.18 |
| 2-Hexanone | ND | | ug/kg | 10 | 0.67 |
| Bromochloromethane | ND | | ug/kg | 5.0 | 0.36 |
| 2,2-Dichloropropane | ND | | ug/kg | 5.0 | 0.45 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.0 | 0.20 |
| 1,3-Dichloropropane | ND | | ug/kg | 5.0 | 0.18 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.0 | 0.32 |
| Bromobenzene | ND | | ug/kg | 5.0 | 0.22 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.23 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.22 |
| tert-Butylbenzene | ND | | ug/kg | 5.0 | 0.25 |
| o-Chlorotoluene | ND | | ug/kg | 5.0 | 0.22 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/18 10:25
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04,06-15 Batch: WG1124522-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 5.0 | 0.18 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.0 | 0.40 |
| Hexachlorobutadiene | ND | | ug/kg | 5.0 | 0.35 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.19 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.20 |
| Naphthalene | ND | | ug/kg | 5.0 | 0.14 |
| Acrylonitrile | ND | | ug/kg | 10 | 0.51 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.22 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 5.0 | 0.25 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 5.0 | 0.22 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 5.0 | 0.16 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 5.0 | 0.19 |
| 1,4-Dioxane | ND | | ug/kg | 40 | 14. |
| p-Diethylbenzene | ND | | ug/kg | 4.0 | 4.0 |
| p-Ethyltoluene | ND | | ug/kg | 4.0 | 0.23 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 4.0 | 0.16 |
| Ethyl ether | ND | | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 0.39 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 102 | | 70-130 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/18 10:25
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,05 Batch: WG1124525-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 500 | 82. |
| 1,1-Dichloroethane | ND | | ug/kg | 75 | 14. |
| Chloroform | ND | | ug/kg | 75 | 18. |
| Carbon tetrachloride | ND | | ug/kg | 50 | 17. |
| 1,2-Dichloropropane | ND | | ug/kg | 180 | 11. |
| Dibromochloromethane | ND | | ug/kg | 50 | 8.8 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 75 | 16. |
| Tetrachloroethene | ND | | ug/kg | 50 | 15. |
| Chlorobenzene | ND | | ug/kg | 50 | 17. |
| Trichlorofluoromethane | ND | | ug/kg | 250 | 21. |
| 1,2-Dichloroethane | ND | | ug/kg | 50 | 12. |
| 1,1,1-Trichloroethane | ND | | ug/kg | 50 | 18. |
| Bromodichloromethane | ND | | ug/kg | 50 | 15. |
| trans-1,3-Dichloropropene | ND | | ug/kg | 50 | 10. |
| cis-1,3-Dichloropropene | ND | | ug/kg | 50 | 12. |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 50 | 10. |
| 1,1-Dichloropropene | ND | | ug/kg | 250 | 16. |
| Bromoform | ND | | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 50 | 15. |
| Benzene | ND | | ug/kg | 50 | 9.6 |
| Toluene | ND | | ug/kg | 75 | 9.8 |
| Ethylbenzene | ND | | ug/kg | 50 | 8.5 |
| Chloromethane | ND | | ug/kg | 250 | 22. |
| Bromomethane | 19 | J | ug/kg | 100 | 17. |
| Vinyl chloride | ND | | ug/kg | 100 | 16. |
| Chloroethane | ND | | ug/kg | 100 | 16. |
| 1,1-Dichloroethene | ND | | ug/kg | 50 | 19. |
| trans-1,2-Dichloroethene | ND | | ug/kg | 75 | 12. |
| Trichloroethene | ND | | ug/kg | 50 | 15. |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/18 10:25
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,05 Batch: WG1124525-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 250 | 9.1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 250 | 11. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 250 | 9.1 |
| Methyl tert butyl ether | ND | | ug/kg | 100 | 7.6 |
| p/m-Xylene | ND | | ug/kg | 100 | 18. |
| o-Xylene | ND | | ug/kg | 100 | 17. |
| Xylenes, Total | ND | | ug/kg | 100 | 17. |
| cis-1,2-Dichloroethene | ND | | ug/kg | 50 | 17. |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 50 | 12. |
| Dibromomethane | ND | | ug/kg | 500 | 12. |
| Styrene | ND | | ug/kg | 100 | 20. |
| Dichlorodifluoromethane | ND | | ug/kg | 500 | 25. |
| Acetone | ND | | ug/kg | 500 | 110 |
| Carbon disulfide | ND | | ug/kg | 500 | 55. |
| 2-Butanone | ND | | ug/kg | 500 | 34. |
| Vinyl acetate | ND | | ug/kg | 500 | 7.6 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 500 | 12. |
| 1,2,3-Trichloropropane | ND | | ug/kg | 500 | 8.8 |
| 2-Hexanone | ND | | ug/kg | 500 | 33. |
| Bromochloromethane | ND | | ug/kg | 250 | 18. |
| 2,2-Dichloropropane | ND | | ug/kg | 250 | 22. |
| 1,2-Dibromoethane | ND | | ug/kg | 200 | 10. |
| 1,3-Dichloropropane | ND | | ug/kg | 250 | 9.2 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 50 | 16. |
| Bromobenzene | ND | | ug/kg | 250 | 11. |
| n-Butylbenzene | ND | | ug/kg | 50 | 11. |
| sec-Butylbenzene | ND | | ug/kg | 50 | 11. |
| tert-Butylbenzene | ND | | ug/kg | 250 | 12. |
| o-Chlorotoluene | ND | | ug/kg | 250 | 11. |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/18 10:25
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,05 Batch: WG1124525-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 250 | 9.2 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 250 | 20. |
| Hexachlorobutadiene | ND | | ug/kg | 250 | 17. |
| Isopropylbenzene | ND | | ug/kg | 50 | 9.7 |
| p-Isopropyltoluene | ND | | ug/kg | 50 | 10. |
| Naphthalene | ND | | ug/kg | 250 | 6.9 |
| Acrylonitrile | ND | | ug/kg | 500 | 26. |
| n-Propylbenzene | ND | | ug/kg | 50 | 11. |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 250 | 12. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 250 | 11. |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 250 | 8.0 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 250 | 9.3 |
| 1,4-Dioxane | ND | | ug/kg | 2000 | 720 |
| p-Diethylbenzene | ND | | ug/kg | 200 | 200 |
| p-Ethyltoluene | ND | | ug/kg | 200 | 12. |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 200 | 7.8 |
| Ethyl ether | ND | | ug/kg | 250 | 13. |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 250 | 20. |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 102 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/18 14:10
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 16,29 Batch: WG1124617-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 10 | 1.6 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.5 | 0.27 |
| Chloroform | ND | | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloropropane | ND | | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.18 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.5 | 0.31 |
| Tetrachloroethene | ND | | ug/kg | 1.0 | 0.30 |
| Chlorobenzene | ND | | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane | ND | | ug/kg | 5.0 | 0.42 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.25 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.0 | 0.35 |
| Bromodichloromethane | ND | | ug/kg | 1.0 | 0.31 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.21 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.23 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.0 | 0.21 |
| 1,1-Dichloropropene | ND | | ug/kg | 5.0 | 0.33 |
| Bromoform | ND | | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.0 | 0.30 |
| Benzene | ND | | ug/kg | 1.0 | 0.19 |
| Toluene | ND | | ug/kg | 1.5 | 0.20 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| Chloromethane | ND | | ug/kg | 5.0 | 0.44 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.34 |
| Vinyl chloride | ND | | ug/kg | 2.0 | 0.32 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.37 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.24 |
| Trichloroethene | ND | | ug/kg | 1.0 | 0.30 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/18 14:10
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 16,29 Batch: WG1124617-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.22 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.18 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.15 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.35 |
| o-Xylene | ND | | ug/kg | 2.0 | 0.34 |
| Xylenes, Total | ND | | ug/kg | 2.0 | 0.34 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.24 |
| Dibromomethane | ND | | ug/kg | 10 | 0.24 |
| Styrene | ND | | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.50 |
| Acetone | ND | | ug/kg | 10 | 2.3 |
| Carbon disulfide | ND | | ug/kg | 10 | 1.1 |
| 2-Butanone | ND | | ug/kg | 10 | 0.69 |
| Vinyl acetate | ND | | ug/kg | 10 | 0.15 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 0.24 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 10 | 0.18 |
| 2-Hexanone | ND | | ug/kg | 10 | 0.67 |
| Bromochloromethane | ND | | ug/kg | 5.0 | 0.36 |
| 2,2-Dichloropropane | ND | | ug/kg | 5.0 | 0.45 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.0 | 0.20 |
| 1,3-Dichloropropane | ND | | ug/kg | 5.0 | 0.18 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.0 | 0.32 |
| Bromobenzene | ND | | ug/kg | 5.0 | 0.22 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.23 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.22 |
| tert-Butylbenzene | ND | | ug/kg | 5.0 | 0.25 |
| o-Chlorotoluene | ND | | ug/kg | 5.0 | 0.22 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/18 14:10
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 16,29 Batch: WG1124617-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 5.0 | 0.18 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.0 | 0.40 |
| Hexachlorobutadiene | ND | | ug/kg | 5.0 | 0.35 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.19 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.20 |
| Naphthalene | ND | | ug/kg | 5.0 | 0.14 |
| Acrylonitrile | ND | | ug/kg | 10 | 0.51 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.22 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 5.0 | 0.25 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 5.0 | 0.22 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 5.0 | 0.16 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 5.0 | 0.19 |
| 1,4-Dioxane | ND | | ug/kg | 40 | 14. |
| p-Diethylbenzene | ND | | ug/kg | 4.0 | 4.0 |
| p-Ethyltoluene | ND | | ug/kg | 4.0 | 0.23 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 4.0 | 0.16 |
| Ethyl ether | ND | | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 0.39 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 102 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/18 14:10
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 17-18,31-35 Batch: WG1124621-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 500 | 82. |
| 1,1-Dichloroethane | ND | | ug/kg | 75 | 14. |
| Chloroform | ND | | ug/kg | 75 | 18. |
| Carbon tetrachloride | ND | | ug/kg | 50 | 17. |
| 1,2-Dichloropropane | ND | | ug/kg | 180 | 11. |
| Dibromochloromethane | ND | | ug/kg | 50 | 8.8 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 75 | 16. |
| Tetrachloroethene | ND | | ug/kg | 50 | 15. |
| Chlorobenzene | ND | | ug/kg | 50 | 17. |
| Trichlorofluoromethane | ND | | ug/kg | 250 | 21. |
| 1,2-Dichloroethane | ND | | ug/kg | 50 | 12. |
| 1,1,1-Trichloroethane | ND | | ug/kg | 50 | 18. |
| Bromodichloromethane | ND | | ug/kg | 50 | 15. |
| trans-1,3-Dichloropropene | ND | | ug/kg | 50 | 10. |
| cis-1,3-Dichloropropene | ND | | ug/kg | 50 | 12. |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 50 | 10. |
| 1,1-Dichloropropene | ND | | ug/kg | 250 | 16. |
| Bromoform | ND | | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 50 | 15. |
| Benzene | ND | | ug/kg | 50 | 9.6 |
| Toluene | ND | | ug/kg | 75 | 9.8 |
| Ethylbenzene | ND | | ug/kg | 50 | 8.5 |
| Chloromethane | ND | | ug/kg | 250 | 22. |
| Bromomethane | ND | | ug/kg | 100 | 17. |
| Vinyl chloride | ND | | ug/kg | 100 | 16. |
| Chloroethane | ND | | ug/kg | 100 | 16. |
| 1,1-Dichloroethene | ND | | ug/kg | 50 | 19. |
| trans-1,2-Dichloroethene | ND | | ug/kg | 75 | 12. |
| Trichloroethene | ND | | ug/kg | 50 | 15. |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/18 14:10
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 17-18,31-35 Batch: WG1124621-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 250 | 9.1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 250 | 11. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 250 | 9.1 |
| Methyl tert butyl ether | ND | | ug/kg | 100 | 7.6 |
| p/m-Xylene | ND | | ug/kg | 100 | 18. |
| o-Xylene | ND | | ug/kg | 100 | 17. |
| Xylenes, Total | ND | | ug/kg | 100 | 17. |
| cis-1,2-Dichloroethene | ND | | ug/kg | 50 | 17. |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 50 | 12. |
| Dibromomethane | ND | | ug/kg | 500 | 12. |
| Styrene | ND | | ug/kg | 100 | 20. |
| Dichlorodifluoromethane | ND | | ug/kg | 500 | 25. |
| Acetone | ND | | ug/kg | 500 | 110 |
| Carbon disulfide | ND | | ug/kg | 500 | 55. |
| 2-Butanone | ND | | ug/kg | 500 | 34. |
| Vinyl acetate | ND | | ug/kg | 500 | 7.6 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 500 | 12. |
| 1,2,3-Trichloropropane | ND | | ug/kg | 500 | 8.8 |
| 2-Hexanone | ND | | ug/kg | 500 | 33. |
| Bromochloromethane | ND | | ug/kg | 250 | 18. |
| 2,2-Dichloropropane | ND | | ug/kg | 250 | 22. |
| 1,2-Dibromoethane | ND | | ug/kg | 200 | 10. |
| 1,3-Dichloropropane | ND | | ug/kg | 250 | 9.2 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 50 | 16. |
| Bromobenzene | ND | | ug/kg | 250 | 11. |
| n-Butylbenzene | ND | | ug/kg | 50 | 11. |
| sec-Butylbenzene | ND | | ug/kg | 50 | 11. |
| tert-Butylbenzene | ND | | ug/kg | 250 | 12. |
| o-Chlorotoluene | ND | | ug/kg | 250 | 11. |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/18 14:10
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 17-18,31-35 Batch: WG1124621-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 250 | 9.2 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 250 | 20. |
| Hexachlorobutadiene | ND | | ug/kg | 250 | 17. |
| Isopropylbenzene | ND | | ug/kg | 50 | 9.7 |
| p-Isopropyltoluene | ND | | ug/kg | 50 | 10. |
| Naphthalene | ND | | ug/kg | 250 | 6.9 |
| Acrylonitrile | ND | | ug/kg | 500 | 26. |
| n-Propylbenzene | ND | | ug/kg | 50 | 11. |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 250 | 12. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 250 | 11. |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 250 | 8.0 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 250 | 9.3 |
| 1,4-Dioxane | ND | | ug/kg | 2000 | 720 |
| p-Diethylbenzene | ND | | ug/kg | 200 | 200 |
| p-Ethyltoluene | ND | | ug/kg | 200 | 12. |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 200 | 7.8 |
| Ethyl ether | ND | | ug/kg | 250 | 13. |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 250 | 20. |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 102 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/18 16:02
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 36 Batch: WG1124684-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 10 | 1.6 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.5 | 0.27 |
| Chloroform | ND | | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloropropane | ND | | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.18 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.5 | 0.31 |
| Tetrachloroethene | ND | | ug/kg | 1.0 | 0.30 |
| Chlorobenzene | ND | | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane | ND | | ug/kg | 5.0 | 0.42 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.25 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.0 | 0.35 |
| Bromodichloromethane | ND | | ug/kg | 1.0 | 0.31 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.21 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.23 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.0 | 0.21 |
| 1,1-Dichloropropene | ND | | ug/kg | 5.0 | 0.33 |
| Bromoform | ND | | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.0 | 0.30 |
| Benzene | ND | | ug/kg | 1.0 | 0.19 |
| Toluene | ND | | ug/kg | 1.5 | 0.20 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| Chloromethane | ND | | ug/kg | 5.0 | 0.44 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.34 |
| Vinyl chloride | ND | | ug/kg | 2.0 | 0.32 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.37 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.24 |
| Trichloroethene | ND | | ug/kg | 1.0 | 0.30 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/18 16:02
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 36 Batch: WG1124684-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.22 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.18 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.15 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.35 |
| o-Xylene | ND | | ug/kg | 2.0 | 0.34 |
| Xylenes, Total | ND | | ug/kg | 2.0 | 0.34 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.24 |
| Dibromomethane | ND | | ug/kg | 10 | 0.24 |
| Styrene | ND | | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.50 |
| Acetone | ND | | ug/kg | 10 | 2.3 |
| Carbon disulfide | ND | | ug/kg | 10 | 1.1 |
| 2-Butanone | ND | | ug/kg | 10 | 0.69 |
| Vinyl acetate | ND | | ug/kg | 10 | 0.15 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 0.24 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 10 | 0.18 |
| 2-Hexanone | ND | | ug/kg | 10 | 0.67 |
| Bromochloromethane | ND | | ug/kg | 5.0 | 0.36 |
| 2,2-Dichloropropane | ND | | ug/kg | 5.0 | 0.45 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.0 | 0.20 |
| 1,3-Dichloropropane | ND | | ug/kg | 5.0 | 0.18 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.0 | 0.32 |
| Bromobenzene | ND | | ug/kg | 5.0 | 0.22 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.23 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.22 |
| tert-Butylbenzene | ND | | ug/kg | 5.0 | 0.25 |
| o-Chlorotoluene | ND | | ug/kg | 5.0 | 0.22 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/18 16:02
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 36 Batch: WG1124684-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 5.0 | 0.18 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.0 | 0.40 |
| Hexachlorobutadiene | ND | | ug/kg | 5.0 | 0.35 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.19 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.20 |
| Naphthalene | ND | | ug/kg | 5.0 | 0.14 |
| Acrylonitrile | ND | | ug/kg | 10 | 0.51 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.22 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 5.0 | 0.25 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 5.0 | 0.22 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 5.0 | 0.16 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 5.0 | 0.19 |
| 1,4-Dioxane | ND | | ug/kg | 40 | 14. |
| p-Diethylbenzene | ND | | ug/kg | 4.0 | 4.0 |
| p-Ethyltoluene | ND | | ug/kg | 4.0 | 0.23 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 4.0 | 0.16 |
| Ethyl ether | ND | | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 0.39 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 114 | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/18 21:16
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 30 Batch: WG1124914-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 10 | 1.6 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.5 | 0.27 |
| Chloroform | ND | | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloropropane | ND | | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.18 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.5 | 0.31 |
| Tetrachloroethene | ND | | ug/kg | 1.0 | 0.30 |
| Chlorobenzene | ND | | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane | ND | | ug/kg | 5.0 | 0.42 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.25 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.0 | 0.35 |
| Bromodichloromethane | ND | | ug/kg | 1.0 | 0.31 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.21 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.23 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.0 | 0.21 |
| 1,1-Dichloropropene | ND | | ug/kg | 5.0 | 0.33 |
| Bromoform | ND | | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.0 | 0.30 |
| Benzene | ND | | ug/kg | 1.0 | 0.19 |
| Toluene | ND | | ug/kg | 1.5 | 0.20 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| Chloromethane | 0.55 | J | ug/kg | 5.0 | 0.44 |
| Bromomethane | 1.7 | J | ug/kg | 2.0 | 0.34 |
| Vinyl chloride | ND | | ug/kg | 2.0 | 0.32 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.37 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.24 |
| Trichloroethene | ND | | ug/kg | 1.0 | 0.30 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/18 21:16
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 30 Batch: WG1124914-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.22 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.18 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.15 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.35 |
| o-Xylene | ND | | ug/kg | 2.0 | 0.34 |
| Xylenes, Total | ND | | ug/kg | 2.0 | 0.34 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.24 |
| Dibromomethane | ND | | ug/kg | 10 | 0.24 |
| Styrene | ND | | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.50 |
| Acetone | ND | | ug/kg | 10 | 2.3 |
| Carbon disulfide | ND | | ug/kg | 10 | 1.1 |
| 2-Butanone | ND | | ug/kg | 10 | 0.69 |
| Vinyl acetate | ND | | ug/kg | 10 | 0.15 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 0.24 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 10 | 0.18 |
| 2-Hexanone | ND | | ug/kg | 10 | 0.67 |
| Bromochloromethane | ND | | ug/kg | 5.0 | 0.36 |
| 2,2-Dichloropropane | ND | | ug/kg | 5.0 | 0.45 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.0 | 0.20 |
| 1,3-Dichloropropane | ND | | ug/kg | 5.0 | 0.18 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.0 | 0.32 |
| Bromobenzene | ND | | ug/kg | 5.0 | 0.22 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.23 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.22 |
| tert-Butylbenzene | ND | | ug/kg | 5.0 | 0.25 |
| o-Chlorotoluene | ND | | ug/kg | 5.0 | 0.22 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/18 21:16
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 30 Batch: WG1124914-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 5.0 | 0.18 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.0 | 0.40 |
| Hexachlorobutadiene | ND | | ug/kg | 5.0 | 0.35 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.19 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.20 |
| Naphthalene | ND | | ug/kg | 5.0 | 0.14 |
| Acrylonitrile | ND | | ug/kg | 10 | 0.51 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.22 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 5.0 | 0.25 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 5.0 | 0.22 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 5.0 | 0.16 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 5.0 | 0.19 |
| 1,4-Dioxane | ND | | ug/kg | 40 | 14. |
| p-Diethylbenzene | ND | | ug/kg | 4.0 | 4.0 |
| p-Ethyltoluene | ND | | ug/kg | 4.0 | 0.23 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 4.0 | 0.16 |
| Ethyl ether | ND | | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 0.39 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 113 | | 70-130 |
| Dibromofluoromethane | 92 | | 70-130 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/18 21:07
Analyst: KD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 19-21 Batch: WG1124998-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/18 21:07
Analyst: KD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 19-21 Batch: WG1124998-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/18 21:07
Analyst: KD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 19-21 Batch: WG1124998-5 | | | | | |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.54 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 92 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/18 10:12
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG1125057-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/18 10:12
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG1125057-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/18 10:12
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG1125057-5 | | | | | |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.54 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 109 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |



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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 38-39 Batch: WG1124451-3 WG1124451-4 | | | | | | | | |
| Methylene chloride | 85 | | 82 | | 70-130 | 4 | | 20 |
| 1,1-Dichloroethane | 83 | | 80 | | 70-130 | 4 | | 20 |
| Chloroform | 80 | | 79 | | 70-130 | 1 | | 20 |
| Carbon tetrachloride | 80 | | 79 | | 63-132 | 1 | | 20 |
| 1,2-Dichloropropane | 84 | | 82 | | 70-130 | 2 | | 20 |
| Dibromochloromethane | 72 | | 71 | | 63-130 | 1 | | 20 |
| 1,1,2-Trichloroethane | 88 | | 88 | | 70-130 | 0 | | 20 |
| Tetrachloroethene | 83 | | 82 | | 70-130 | 1 | | 20 |
| Chlorobenzene | 83 | | 81 | | 75-130 | 2 | | 20 |
| Trichlorofluoromethane | 87 | | 84 | | 62-150 | 4 | | 20 |
| 1,2-Dichloroethane | 80 | | 79 | | 70-130 | 1 | | 20 |
| 1,1,1-Trichloroethane | 82 | | 78 | | 67-130 | 5 | | 20 |
| Bromodichloromethane | 81 | | 78 | | 67-130 | 4 | | 20 |
| trans-1,3-Dichloropropene | 75 | | 74 | | 70-130 | 1 | | 20 |
| cis-1,3-Dichloropropene | 85 | | 82 | | 70-130 | 4 | | 20 |
| 1,1-Dichloropropene | 84 | | 81 | | 70-130 | 4 | | 20 |
| Bromoform | 69 | | 67 | | 54-136 | 3 | | 20 |
| 1,1,2,2-Tetrachloroethane | 87 | | 85 | | 67-130 | 2 | | 20 |
| Benzene | 85 | | 82 | | 70-130 | 4 | | 20 |
| Toluene | 82 | | 81 | | 70-130 | 1 | | 20 |
| Ethylbenzene | 83 | | 80 | | 70-130 | 4 | | 20 |
| Chloromethane | 120 | | 110 | | 64-130 | 9 | | 20 |
| Bromomethane | 42 | | 49 | | 39-139 | 15 | | 20 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 38-39 Batch: WG1124451-3 WG1124451-4 | | | | | | | | |
| Vinyl chloride | 100 | | 100 | | 55-140 | 0 | | 20 |
| Chloroethane | 110 | | 100 | | 55-138 | 10 | | 20 |
| 1,1-Dichloroethene | 89 | | 87 | | 61-145 | 2 | | 20 |
| trans-1,2-Dichloroethene | 86 | | 84 | | 70-130 | 2 | | 20 |
| Trichloroethene | 78 | | 76 | | 70-130 | 3 | | 20 |
| 1,2-Dichlorobenzene | 86 | | 85 | | 70-130 | 1 | | 20 |
| 1,3-Dichlorobenzene | 86 | | 84 | | 70-130 | 2 | | 20 |
| 1,4-Dichlorobenzene | 85 | | 83 | | 70-130 | 2 | | 20 |
| Methyl tert butyl ether | 91 | | 88 | | 63-130 | 3 | | 20 |
| p/m-Xylene | 85 | | 85 | | 70-130 | 0 | | 20 |
| o-Xylene | 85 | | 85 | | 70-130 | 0 | | 20 |
| cis-1,2-Dichloroethene | 85 | | 82 | | 70-130 | 4 | | 20 |
| Dibromomethane | 83 | | 80 | | 70-130 | 4 | | 20 |
| 1,2,3-Trichloropropane | 91 | | 92 | | 64-130 | 1 | | 20 |
| Acrylonitrile | 88 | | 84 | | 70-130 | 5 | | 20 |
| Styrene | 85 | | 85 | | 70-130 | 0 | | 20 |
| Dichlorodifluoromethane | 120 | | 110 | | 36-147 | 9 | | 20 |
| Acetone | 70 | | 79 | | 58-148 | 12 | | 20 |
| Carbon disulfide | 100 | | 100 | | 51-130 | 0 | | 20 |
| 2-Butanone | 82 | | 81 | | 63-138 | 1 | | 20 |
| Vinyl acetate | 90 | | 87 | | 70-130 | 3 | | 20 |
| 4-Methyl-2-pentanone | 88 | | 86 | | 59-130 | 2 | | 20 |
| 2-Hexanone | 86 | | 83 | | 57-130 | 4 | | 20 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 38-39 Batch: WG1124451-3 WG1124451-4 | | | | | | | | |
| Bromochloromethane | 86 | | 84 | | 70-130 | 2 | | 20 |
| 2,2-Dichloropropane | 88 | | 85 | | 63-133 | 3 | | 20 |
| 1,2-Dibromoethane | 87 | | 86 | | 70-130 | 1 | | 20 |
| 1,3-Dichloropropane | 86 | | 84 | | 70-130 | 2 | | 20 |
| 1,1,1,2-Tetrachloroethane | 83 | | 81 | | 64-130 | 2 | | 20 |
| Bromobenzene | 86 | | 84 | | 70-130 | 2 | | 20 |
| n-Butylbenzene | 94 | | 90 | | 53-136 | 4 | | 20 |
| sec-Butylbenzene | 89 | | 87 | | 70-130 | 2 | | 20 |
| tert-Butylbenzene | 89 | | 88 | | 70-130 | 1 | | 20 |
| o-Chlorotoluene | 85 | | 84 | | 70-130 | 1 | | 20 |
| p-Chlorotoluene | 86 | | 84 | | 70-130 | 2 | | 20 |
| 1,2-Dibromo-3-chloropropane | 74 | | 70 | | 41-144 | 6 | | 20 |
| Hexachlorobutadiene | 89 | | 97 | | 63-130 | 9 | | 20 |
| Isopropylbenzene | 89 | | 86 | | 70-130 | 3 | | 20 |
| p-Isopropyltoluene | 92 | | 90 | | 70-130 | 2 | | 20 |
| Naphthalene | **140** | Q | 93 | | 70-130 | **40** | Q | 20 |
| n-Propylbenzene | 93 | | 85 | | 69-130 | 9 | | 20 |
| 1,2,3-Trichlorobenzene | 82 | | 86 | | 70-130 | 5 | | 20 |
| 1,2,4-Trichlorobenzene | 88 | | 88 | | 70-130 | 0 | | 20 |
| 1,3,5-Trimethylbenzene | 87 | | 85 | | 64-130 | 2 | | 20 |
| 1,2,4-Trimethylbenzene | 89 | | 87 | | 70-130 | 2 | | 20 |
| 1,4-Dioxane | 68 | | 92 | | 56-162 | **30** | Q | 20 |
| p-Diethylbenzene | 94 | | 89 | | 70-130 | 5 | | 20 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 38-39 Batch: WG1124451-3 WG1124451-4 | | | | | | | | |
| p-Ethyltoluene | 88 | | 86 | | 70-130 | 2 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 120 | | 89 | | 70-130 | **30** | Q | 20 |
| Ethyl ether | 90 | | 87 | | 59-134 | 3 | | 20 |
| trans-1,4-Dichloro-2-butene | **32** | Q | **33** | Q | 70-130 | 3 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | | 94 | | 70-130 |
| Toluene-d8 | 100 | | 101 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 103 | | 70-130 |
| Dibromofluoromethane | 97 | | 98 | | 70-130 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,06-15 Batch: WG1124522-3 WG1124522-4 | | | | | | | | |
| Methylene chloride | 103 | | 99 | | 70-130 | 4 | | 30 |
| 1,1-Dichloroethane | 101 | | 98 | | 70-130 | 3 | | 30 |
| Chloroform | 108 | | 104 | | 70-130 | 4 | | 30 |
| Carbon tetrachloride | 123 | | 118 | | 70-130 | 4 | | 30 |
| 1,2-Dichloropropane | 99 | | 96 | | 70-130 | 3 | | 30 |
| Dibromochloromethane | 110 | | 106 | | 70-130 | 4 | | 30 |
| 1,1,2-Trichloroethane | 100 | | 95 | | 70-130 | 5 | | 30 |
| Tetrachloroethene | 104 | | 100 | | 70-130 | 4 | | 30 |
| Chlorobenzene | 104 | | 102 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | 104 | | 98 | | 70-139 | 6 | | 30 |
| 1,2-Dichloroethane | 106 | | 102 | | 70-130 | 4 | | 30 |
| 1,1,1-Trichloroethane | 115 | | 111 | | 70-130 | 4 | | 30 |
| Bromodichloromethane | 108 | | 104 | | 70-130 | 4 | | 30 |
| trans-1,3-Dichloropropene | 100 | | 96 | | 70-130 | 4 | | 30 |
| cis-1,3-Dichloropropene | 103 | | 99 | | 70-130 | 4 | | 30 |
| 1,1-Dichloropropene | 101 | | 96 | | 70-130 | 5 | | 30 |
| Bromoform | 106 | | 103 | | 70-130 | 3 | | 30 |
| 1,1,2,2-Tetrachloroethane | 102 | | 98 | | 70-130 | 4 | | 30 |
| Benzene | 98 | | 94 | | 70-130 | 4 | | 30 |
| Toluene | 94 | | 91 | | 70-130 | 3 | | 30 |
| Ethylbenzene | 102 | | 99 | | 70-130 | 3 | | 30 |
| Chloromethane | 61 | | 54 | | 52-130 | 12 | | 30 |
| Bromomethane | 89 | | 83 | | 57-147 | 7 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,06-15 Batch: WG1124522-3 WG1124522-4 | | | | | | | | |
| Vinyl chloride | 77 | | 72 | | 67-130 | 7 | | 30 |
| Chloroethane | 82 | | 76 | | 50-151 | 8 | | 30 |
| 1,1-Dichloroethene | 94 | | 88 | | 65-135 | 7 | | 30 |
| trans-1,2-Dichloroethene | 98 | | 96 | | 70-130 | 2 | | 30 |
| Trichloroethene | 107 | | 104 | | 70-130 | 3 | | 30 |
| 1,2-Dichlorobenzene | 108 | | 104 | | 70-130 | 4 | | 30 |
| 1,3-Dichlorobenzene | 108 | | 106 | | 70-130 | 2 | | 30 |
| 1,4-Dichlorobenzene | 107 | | 103 | | 70-130 | 4 | | 30 |
| Methyl tert butyl ether | 110 | | 105 | | 66-130 | 5 | | 30 |
| p/m-Xylene | 104 | | 100 | | 70-130 | 4 | | 30 |
| o-Xylene | 102 | | 99 | | 70-130 | 3 | | 30 |
| cis-1,2-Dichloroethene | 106 | | 102 | | 70-130 | 4 | | 30 |
| Dibromomethane | 110 | | 104 | | 70-130 | 6 | | 30 |
| Styrene | 101 | | 99 | | 70-130 | 2 | | 30 |
| Dichlorodifluoromethane | 68 | | 64 | | 30-146 | 6 | | 30 |
| Acetone | 106 | | 87 | | 54-140 | 20 | | 30 |
| Carbon disulfide | 60 | | **56** | Q | 59-130 | 7 | | 30 |
| 2-Butanone | 87 | | 77 | | 70-130 | 12 | | 30 |
| Vinyl acetate | 88 | | 84 | | 70-130 | 5 | | 30 |
| 4-Methyl-2-pentanone | 93 | | 84 | | 70-130 | 10 | | 30 |
| 1,2,3-Trichloropropane | 101 | | 96 | | 68-130 | 5 | | 30 |
| 2-Hexanone | 79 | | 74 | | 70-130 | 7 | | 30 |
| Bromochloromethane | 116 | | 109 | | 70-130 | 6 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,06-15 Batch: WG1124522-3 WG1124522-4 | | | | | | | | |
| 2,2-Dichloropropane | 109 | | 105 | | 70-130 | 4 | | 30 |
| 1,2-Dibromoethane | 110 | | 103 | | 70-130 | 7 | | 30 |
| 1,3-Dichloropropane | 98 | | 93 | | 69-130 | 5 | | 30 |
| 1,1,1,2-Tetrachloroethane | 109 | | 106 | | 70-130 | 3 | | 30 |
| Bromobenzene | 106 | | 104 | | 70-130 | 2 | | 30 |
| n-Butylbenzene | 107 | | 105 | | 70-130 | 2 | | 30 |
| sec-Butylbenzene | 107 | | 106 | | 70-130 | 1 | | 30 |
| tert-Butylbenzene | 109 | | 106 | | 70-130 | 3 | | 30 |
| o-Chlorotoluene | 105 | | 102 | | 70-130 | 3 | | 30 |
| p-Chlorotoluene | 104 | | 104 | | 70-130 | 0 | | 30 |
| 1,2-Dibromo-3-chloropropane | 99 | | 97 | | 68-130 | 2 | | 30 |
| Hexachlorobutadiene | 100 | | 95 | | 67-130 | 5 | | 30 |
| Isopropylbenzene | 107 | | 104 | | 70-130 | 3 | | 30 |
| p-Isopropyltoluene | 108 | | 106 | | 70-130 | 2 | | 30 |
| Naphthalene | 109 | | 102 | | 70-130 | 7 | | 30 |
| Acrylonitrile | 111 | | 100 | | 70-130 | 10 | | 30 |
| n-Propylbenzene | 105 | | 103 | | 70-130 | 2 | | 30 |
| 1,2,3-Trichlorobenzene | 109 | | 104 | | 70-130 | 5 | | 30 |
| 1,2,4-Trichlorobenzene | 104 | | 102 | | 70-130 | 2 | | 30 |
| 1,3,5-Trimethylbenzene | 108 | | 107 | | 70-130 | 1 | | 30 |
| 1,2,4-Trimethylbenzene | 107 | | 106 | | 70-130 | 1 | | 30 |
| 1,4-Dioxane | 97 | | 86 | | 65-136 | 12 | | 30 |
| p-Diethylbenzene | 106 | | 102 | | 70-130 | 4 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,06-15 Batch: WG1124522-3 WG1124522-4 | | | | | | | | |
| p-Ethyltoluene | 103 | | 100 | | 70-130 | 3 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 106 | | 102 | | 70-130 | 4 | | 30 |
| Ethyl ether | 101 | | 94 | | 67-130 | 7 | | 30 |
| trans-1,4-Dichloro-2-butene | 112 | | 107 | | 70-130 | 5 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | | 103 | | 70-130 |
| Toluene-d8 | 97 | | 97 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 100 | | 70-130 |
| Dibromofluoromethane | 104 | | 103 | | 70-130 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1124525-3 WG1124525-4 | | | | | | | | |
| Methylene chloride | 103 | | 99 | | 70-130 | 4 | | 30 |
| 1,1-Dichloroethane | 101 | | 98 | | 70-130 | 3 | | 30 |
| Chloroform | 108 | | 104 | | 70-130 | 4 | | 30 |
| Carbon tetrachloride | 123 | | 118 | | 70-130 | 4 | | 30 |
| 1,2-Dichloropropane | 99 | | 96 | | 70-130 | 3 | | 30 |
| Dibromochloromethane | 110 | | 106 | | 70-130 | 4 | | 30 |
| 1,1,2-Trichloroethane | 100 | | 95 | | 70-130 | 5 | | 30 |
| Tetrachloroethene | 104 | | 100 | | 70-130 | 4 | | 30 |
| Chlorobenzene | 104 | | 102 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | 104 | | 98 | | 70-139 | 6 | | 30 |
| 1,2-Dichloroethane | 106 | | 102 | | 70-130 | 4 | | 30 |
| 1,1,1-Trichloroethane | 115 | | 111 | | 70-130 | 4 | | 30 |
| Bromodichloromethane | 108 | | 104 | | 70-130 | 4 | | 30 |
| trans-1,3-Dichloropropene | 100 | | 96 | | 70-130 | 4 | | 30 |
| cis-1,3-Dichloropropene | 103 | | 99 | | 70-130 | 4 | | 30 |
| 1,1-Dichloropropene | 101 | | 96 | | 70-130 | 5 | | 30 |
| Bromoform | 106 | | 103 | | 70-130 | 3 | | 30 |
| 1,1,2,2-Tetrachloroethane | 102 | | 98 | | 70-130 | 4 | | 30 |
| Benzene | 98 | | 94 | | 70-130 | 4 | | 30 |
| Toluene | 94 | | 91 | | 70-130 | 3 | | 30 |
| Ethylbenzene | 102 | | 99 | | 70-130 | 3 | | 30 |
| Chloromethane | 61 | | 54 | | 52-130 | 12 | | 30 |
| Bromomethane | 89 | | 83 | | 57-147 | 7 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1124525-3 WG1124525-4 | | | | | | | | |
| Vinyl chloride | 77 | | 72 | | 67-130 | 7 | | 30 |
| Chloroethane | 82 | | 76 | | 50-151 | 8 | | 30 |
| 1,1-Dichloroethene | 94 | | 88 | | 65-135 | 7 | | 30 |
| trans-1,2-Dichloroethene | 98 | | 96 | | 70-130 | 2 | | 30 |
| Trichloroethene | 107 | | 104 | | 70-130 | 3 | | 30 |
| 1,2-Dichlorobenzene | 108 | | 104 | | 70-130 | 4 | | 30 |
| 1,3-Dichlorobenzene | 108 | | 106 | | 70-130 | 2 | | 30 |
| 1,4-Dichlorobenzene | 107 | | 103 | | 70-130 | 4 | | 30 |
| Methyl tert butyl ether | 110 | | 105 | | 66-130 | 5 | | 30 |
| p/m-Xylene | 104 | | 100 | | 70-130 | 4 | | 30 |
| o-Xylene | 102 | | 99 | | 70-130 | 3 | | 30 |
| cis-1,2-Dichloroethene | 106 | | 102 | | 70-130 | 4 | | 30 |
| Dibromomethane | 110 | | 104 | | 70-130 | 6 | | 30 |
| Styrene | 101 | | 99 | | 70-130 | 2 | | 30 |
| Dichlorodifluoromethane | 68 | | 64 | | 30-146 | 6 | | 30 |
| Acetone | 106 | | 87 | | 54-140 | 20 | | 30 |
| Carbon disulfide | 60 | | **56** | Q | 59-130 | 7 | | 30 |
| 2-Butanone | 87 | | 77 | | 70-130 | 12 | | 30 |
| Vinyl acetate | 88 | | 84 | | 70-130 | 5 | | 30 |
| 4-Methyl-2-pentanone | 93 | | 84 | | 70-130 | 10 | | 30 |
| 1,2,3-Trichloropropane | 101 | | 96 | | 68-130 | 5 | | 30 |
| 2-Hexanone | 79 | | 74 | | 70-130 | 7 | | 30 |
| Bromochloromethane | 116 | | 109 | | 70-130 | 6 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1124525-3 WG1124525-4 | | | | | | | | |
| 2,2-Dichloropropane | 109 | | 105 | | 70-130 | 4 | | 30 |
| 1,2-Dibromoethane | 110 | | 103 | | 70-130 | 7 | | 30 |
| 1,3-Dichloropropane | 98 | | 93 | | 69-130 | 5 | | 30 |
| 1,1,1,2-Tetrachloroethane | 109 | | 106 | | 70-130 | 3 | | 30 |
| Bromobenzene | 106 | | 104 | | 70-130 | 2 | | 30 |
| n-Butylbenzene | 107 | | 105 | | 70-130 | 2 | | 30 |
| sec-Butylbenzene | 107 | | 106 | | 70-130 | 1 | | 30 |
| tert-Butylbenzene | 109 | | 106 | | 70-130 | 3 | | 30 |
| o-Chlorotoluene | 105 | | 102 | | 70-130 | 3 | | 30 |
| p-Chlorotoluene | 104 | | 104 | | 70-130 | 0 | | 30 |
| 1,2-Dibromo-3-chloropropane | 99 | | 97 | | 68-130 | 2 | | 30 |
| Hexachlorobutadiene | 100 | | 95 | | 67-130 | 5 | | 30 |
| Isopropylbenzene | 107 | | 104 | | 70-130 | 3 | | 30 |
| p-Isopropyltoluene | 108 | | 106 | | 70-130 | 2 | | 30 |
| Naphthalene | 109 | | 102 | | 70-130 | 7 | | 30 |
| Acrylonitrile | 111 | | 100 | | 70-130 | 10 | | 30 |
| n-Propylbenzene | 105 | | 103 | | 70-130 | 2 | | 30 |
| 1,2,3-Trichlorobenzene | 109 | | 104 | | 70-130 | 5 | | 30 |
| 1,2,4-Trichlorobenzene | 104 | | 102 | | 70-130 | 2 | | 30 |
| 1,3,5-Trimethylbenzene | 108 | | 107 | | 70-130 | 1 | | 30 |
| 1,2,4-Trimethylbenzene | 107 | | 106 | | 70-130 | 1 | | 30 |
| 1,4-Dioxane | 97 | | 86 | | 65-136 | 12 | | 30 |
| p-Diethylbenzene | 106 | | 102 | | 70-130 | 4 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1124525-3 WG1124525-4 | | | | | | | | |
| p-Ethyltoluene | 103 | | 100 | | 70-130 | 3 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 106 | | 102 | | 70-130 | 4 | | 30 |
| Ethyl ether | 101 | | 94 | | 67-130 | 7 | | 30 |
| trans-1,4-Dichloro-2-butene | 112 | | 107 | | 70-130 | 5 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | | 103 | | 70-130 |
| Toluene-d8 | 97 | | 98 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 100 | | 70-130 |
| Dibromofluoromethane | 104 | | 103 | | 70-130 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 16,29 Batch: WG1124617-3 WG1124617-4 | | | | | | | | |
| Methylene chloride | 96 | | 94 | | 70-130 | 2 | | 30 |
| 1,1-Dichloroethane | 96 | | 94 | | 70-130 | 2 | | 30 |
| Chloroform | 94 | | 93 | | 70-130 | 1 | | 30 |
| Carbon tetrachloride | 98 | | 95 | | 70-130 | 3 | | 30 |
| 1,2-Dichloropropane | 94 | | 94 | | 70-130 | 0 | | 30 |
| Dibromochloromethane | 94 | | 93 | | 70-130 | 1 | | 30 |
| 1,1,2-Trichloroethane | 95 | | 96 | | 70-130 | 1 | | 30 |
| Tetrachloroethene | 98 | | 93 | | 70-130 | 5 | | 30 |
| Chlorobenzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | 100 | | 96 | | 70-139 | 4 | | 30 |
| 1,2-Dichloroethane | 93 | | 94 | | 70-130 | 1 | | 30 |
| 1,1,1-Trichloroethane | 98 | | 96 | | 70-130 | 2 | | 30 |
| Bromodichloromethane | 91 | | 91 | | 70-130 | 0 | | 30 |
| trans-1,3-Dichloropropene | 96 | | 95 | | 70-130 | 1 | | 30 |
| cis-1,3-Dichloropropene | 95 | | 94 | | 70-130 | 1 | | 30 |
| 1,1-Dichloropropene | 98 | | 95 | | 70-130 | 3 | | 30 |
| Bromoform | 91 | | 92 | | 70-130 | 1 | | 30 |
| 1,1,2,2-Tetrachloroethane | 93 | | 96 | | 70-130 | 3 | | 30 |
| Benzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| Toluene | 94 | | 91 | | 70-130 | 3 | | 30 |
| Ethylbenzene | 96 | | 94 | | 70-130 | 2 | | 30 |
| Chloromethane | 94 | | 91 | | 52-130 | 3 | | 30 |
| Bromomethane | 97 | | 95 | | 57-147 | 2 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 16,29 Batch: WG1124617-3 WG1124617-4 | | | | | | | | |
| Vinyl chloride | 101 | | 98 | | 67-130 | 3 | | 30 |
| Chloroethane | 97 | | 96 | | 50-151 | 1 | | 30 |
| 1,1-Dichloroethene | 98 | | 95 | | 65-135 | 3 | | 30 |
| trans-1,2-Dichloroethene | 96 | | 94 | | 70-130 | 2 | | 30 |
| Trichloroethene | 96 | | 92 | | 70-130 | 4 | | 30 |
| 1,2-Dichlorobenzene | 92 | | 92 | | 70-130 | 0 | | 30 |
| 1,3-Dichlorobenzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| 1,4-Dichlorobenzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| Methyl tert butyl ether | 95 | | 95 | | 66-130 | 0 | | 30 |
| p/m-Xylene | 96 | | 93 | | 70-130 | 3 | | 30 |
| o-Xylene | 96 | | 93 | | 70-130 | 3 | | 30 |
| cis-1,2-Dichloroethene | 95 | | 92 | | 70-130 | 3 | | 30 |
| Dibromomethane | 94 | | 94 | | 70-130 | 0 | | 30 |
| Styrene | 96 | | 94 | | 70-130 | 2 | | 30 |
| Dichlorodifluoromethane | 99 | | 95 | | 30-146 | 4 | | 30 |
| Acetone | 93 | | 97 | | 54-140 | 4 | | 30 |
| Carbon disulfide | 93 | | 90 | | 59-130 | 3 | | 30 |
| 2-Butanone | 90 | | 95 | | 70-130 | 5 | | 30 |
| Vinyl acetate | 95 | | 97 | | 70-130 | 2 | | 30 |
| 4-Methyl-2-pentanone | 94 | | 98 | | 70-130 | 4 | | 30 |
| 1,2,3-Trichloropropane | 95 | | 96 | | 68-130 | 1 | | 30 |
| 2-Hexanone | 86 | | 89 | | 70-130 | 3 | | 30 |
| Bromochloromethane | 95 | | 93 | | 70-130 | 2 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 16,29 Batch: WG1124617-3 WG1124617-4 | | | | | | | | |
| 2,2-Dichloropropane | 99 | | 96 | | 70-130 | 3 | | 30 |
| 1,2-Dibromoethane | 95 | | 94 | | 70-130 | 1 | | 30 |
| 1,3-Dichloropropane | 95 | | 96 | | 69-130 | 1 | | 30 |
| 1,1,1,2-Tetrachloroethane | 95 | | 94 | | 70-130 | 1 | | 30 |
| Bromobenzene | 94 | | 91 | | 70-130 | 3 | | 30 |
| n-Butylbenzene | 99 | | 95 | | 70-130 | 4 | | 30 |
| sec-Butylbenzene | 98 | | 95 | | 70-130 | 3 | | 30 |
| tert-Butylbenzene | 96 | | 94 | | 70-130 | 2 | | 30 |
| o-Chlorotoluene | 109 | | 107 | | 70-130 | 2 | | 30 |
| p-Chlorotoluene | 96 | | 94 | | 70-130 | 2 | | 30 |
| 1,2-Dibromo-3-chloropropane | 88 | | 90 | | 68-130 | 2 | | 30 |
| Hexachlorobutadiene | 95 | | 91 | | 67-130 | 4 | | 30 |
| Isopropylbenzene | 97 | | 94 | | 70-130 | 3 | | 30 |
| p-Isopropyltoluene | 98 | | 94 | | 70-130 | 4 | | 30 |
| Naphthalene | 93 | | 94 | | 70-130 | 1 | | 30 |
| Acrylonitrile | 95 | | 97 | | 70-130 | 2 | | 30 |
| n-Propylbenzene | 98 | | 95 | | 70-130 | 3 | | 30 |
| 1,2,3-Trichlorobenzene | 93 | | 91 | | 70-130 | 2 | | 30 |
| 1,2,4-Trichlorobenzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| 1,3,5-Trimethylbenzene | 97 | | 94 | | 70-130 | 3 | | 30 |
| 1,2,4-Trimethylbenzene | 95 | | 93 | | 70-130 | 2 | | 30 |
| 1,4-Dioxane | 90 | | 94 | | 65-136 | 4 | | 30 |
| p-Diethylbenzene | 96 | | 93 | | 70-130 | 3 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 16,29 Batch: WG1124617-3 WG1124617-4 | | | | | | | | |
| p-Ethyltoluene | 97 | | 94 | | 70-130 | 3 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 95 | | 93 | | 70-130 | 2 | | 30 |
| Ethyl ether | 94 | | 94 | | 67-130 | 0 | | 30 |
| trans-1,4-Dichloro-2-butene | 98 | | 100 | | 70-130 | 2 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | | 99 | | 70-130 |
| Toluene-d8 | 100 | | 100 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 100 | | 70-130 |
| Dibromofluoromethane | 97 | | 98 | | 70-130 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 17-18,31-35 Batch: WG1124621-3 WG1124621-4 | | | | | | | | |
| Methylene chloride | 96 | | 94 | | 70-130 | 2 | | 30 |
| 1,1-Dichloroethane | 96 | | 94 | | 70-130 | 2 | | 30 |
| Chloroform | 94 | | 93 | | 70-130 | 1 | | 30 |
| Carbon tetrachloride | 98 | | 95 | | 70-130 | 3 | | 30 |
| 1,2-Dichloropropane | 94 | | 94 | | 70-130 | 0 | | 30 |
| Dibromochloromethane | 94 | | 93 | | 70-130 | 1 | | 30 |
| 1,1,2-Trichloroethane | 95 | | 96 | | 70-130 | 1 | | 30 |
| Tetrachloroethene | 98 | | 93 | | 70-130 | 5 | | 30 |
| Chlorobenzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | 100 | | 96 | | 70-139 | 4 | | 30 |
| 1,2-Dichloroethane | 93 | | 94 | | 70-130 | 1 | | 30 |
| 1,1,1-Trichloroethane | 98 | | 96 | | 70-130 | 2 | | 30 |
| Bromodichloromethane | 91 | | 91 | | 70-130 | 0 | | 30 |
| trans-1,3-Dichloropropene | 96 | | 95 | | 70-130 | 1 | | 30 |
| cis-1,3-Dichloropropene | 95 | | 94 | | 70-130 | 1 | | 30 |
| 1,1-Dichloropropene | 98 | | 95 | | 70-130 | 3 | | 30 |
| Bromoform | 91 | | 92 | | 70-130 | 1 | | 30 |
| 1,1,2,2-Tetrachloroethane | 93 | | 96 | | 70-130 | 3 | | 30 |
| Benzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| Toluene | 94 | | 91 | | 70-130 | 3 | | 30 |
| Ethylbenzene | 96 | | 94 | | 70-130 | 2 | | 30 |
| Chloromethane | 94 | | 91 | | 52-130 | 3 | | 30 |
| Bromomethane | 97 | | 95 | | 57-147 | 2 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 17-18,31-35 Batch: WG1124621-3 WG1124621-4 | | | | | | | | |
| Vinyl chloride | 101 | | 98 | | 67-130 | 3 | | 30 |
| Chloroethane | 97 | | 96 | | 50-151 | 1 | | 30 |
| 1,1-Dichloroethene | 98 | | 95 | | 65-135 | 3 | | 30 |
| trans-1,2-Dichloroethene | 96 | | 94 | | 70-130 | 2 | | 30 |
| Trichloroethene | 96 | | 92 | | 70-130 | 4 | | 30 |
| 1,2-Dichlorobenzene | 92 | | 92 | | 70-130 | 0 | | 30 |
| 1,3-Dichlorobenzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| 1,4-Dichlorobenzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| Methyl tert butyl ether | 95 | | 95 | | 66-130 | 0 | | 30 |
| p/m-Xylene | 96 | | 93 | | 70-130 | 3 | | 30 |
| o-Xylene | 96 | | 93 | | 70-130 | 3 | | 30 |
| cis-1,2-Dichloroethene | 95 | | 92 | | 70-130 | 3 | | 30 |
| Dibromomethane | 94 | | 94 | | 70-130 | 0 | | 30 |
| Styrene | 96 | | 94 | | 70-130 | 2 | | 30 |
| Dichlorodifluoromethane | 99 | | 95 | | 30-146 | 4 | | 30 |
| Acetone | 93 | | 97 | | 54-140 | 4 | | 30 |
| Carbon disulfide | 93 | | 90 | | 59-130 | 3 | | 30 |
| 2-Butanone | 90 | | 95 | | 70-130 | 5 | | 30 |
| Vinyl acetate | 95 | | 97 | | 70-130 | 2 | | 30 |
| 4-Methyl-2-pentanone | 94 | | 98 | | 70-130 | 4 | | 30 |
| 1,2,3-Trichloropropane | 95 | | 96 | | 68-130 | 1 | | 30 |
| 2-Hexanone | 86 | | 89 | | 70-130 | 3 | | 30 |
| Bromochloromethane | 95 | | 93 | | 70-130 | 2 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 17-18,31-35 Batch: WG1124621-3 WG1124621-4 | | | | | | | | |
| 2,2-Dichloropropane | 99 | | 96 | | 70-130 | 3 | | 30 |
| 1,2-Dibromoethane | 95 | | 94 | | 70-130 | 1 | | 30 |
| 1,3-Dichloropropane | 95 | | 96 | | 69-130 | 1 | | 30 |
| 1,1,1,2-Tetrachloroethane | 95 | | 94 | | 70-130 | 1 | | 30 |
| Bromobenzene | 94 | | 91 | | 70-130 | 3 | | 30 |
| n-Butylbenzene | 99 | | 95 | | 70-130 | 4 | | 30 |
| sec-Butylbenzene | 98 | | 95 | | 70-130 | 3 | | 30 |
| tert-Butylbenzene | 96 | | 94 | | 70-130 | 2 | | 30 |
| o-Chlorotoluene | 109 | | 107 | | 70-130 | 2 | | 30 |
| p-Chlorotoluene | 96 | | 94 | | 70-130 | 2 | | 30 |
| 1,2-Dibromo-3-chloropropane | 88 | | 90 | | 68-130 | 2 | | 30 |
| Hexachlorobutadiene | 95 | | 91 | | 67-130 | 4 | | 30 |
| Isopropylbenzene | 97 | | 94 | | 70-130 | 3 | | 30 |
| p-Isopropyltoluene | 98 | | 94 | | 70-130 | 4 | | 30 |
| Naphthalene | 93 | | 94 | | 70-130 | 1 | | 30 |
| Acrylonitrile | 95 | | 97 | | 70-130 | 2 | | 30 |
| n-Propylbenzene | 98 | | 95 | | 70-130 | 3 | | 30 |
| 1,2,3-Trichlorobenzene | 93 | | 91 | | 70-130 | 2 | | 30 |
| 1,2,4-Trichlorobenzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| 1,3,5-Trimethylbenzene | 97 | | 94 | | 70-130 | 3 | | 30 |
| 1,2,4-Trimethylbenzene | 95 | | 93 | | 70-130 | 2 | | 30 |
| 1,4-Dioxane | 90 | | 94 | | 65-136 | 4 | | 30 |
| p-Diethylbenzene | 96 | | 93 | | 70-130 | 3 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 17-18,31-35 Batch: WG1124621-3 WG1124621-4 | | | | | | | | |
| p-Ethyltoluene | 97 | | 94 | | 70-130 | 3 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 95 | | 93 | | 70-130 | 2 | | 30 |
| Ethyl ether | 94 | | 94 | | 67-130 | 0 | | 30 |
| trans-1,4-Dichloro-2-butene | 98 | | 100 | | 70-130 | 2 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | | 99 | | 70-130 |
| Toluene-d8 | 100 | | 100 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 100 | | 70-130 |
| Dibromofluoromethane | 97 | | 98 | | 70-130 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 36 Batch: WG1124684-3 WG1124684-4 | | | | | | | | |
| Methylene chloride | 97 | | 101 | | 70-130 | 4 | | 30 |
| 1,1-Dichloroethane | 101 | | 103 | | 70-130 | 2 | | 30 |
| Chloroform | 98 | | 99 | | 70-130 | 1 | | 30 |
| Carbon tetrachloride | 90 | | 95 | | 70-130 | 5 | | 30 |
| 1,2-Dichloropropane | 102 | | 102 | | 70-130 | 0 | | 30 |
| Dibromochloromethane | 91 | | 91 | | 70-130 | 0 | | 30 |
| 1,1,2-Trichloroethane | 103 | | 103 | | 70-130 | 0 | | 30 |
| Tetrachloroethene | 90 | | 88 | | 70-130 | 2 | | 30 |
| Chlorobenzene | 91 | | 92 | | 70-130 | 1 | | 30 |
| Trichlorofluoromethane | 92 | | 94 | | 70-139 | 2 | | 30 |
| 1,2-Dichloroethane | 98 | | 104 | | 70-130 | 6 | | 30 |
| 1,1,1-Trichloroethane | 97 | | 100 | | 70-130 | 3 | | 30 |
| Bromodichloromethane | 95 | | 102 | | 70-130 | 7 | | 30 |
| trans-1,3-Dichloropropene | 108 | | 107 | | 70-130 | 1 | | 30 |
| cis-1,3-Dichloropropene | 104 | | 107 | | 70-130 | 3 | | 30 |
| 1,1-Dichloropropene | 101 | | 104 | | 70-130 | 3 | | 30 |
| Bromoform | 99 | | 96 | | 70-130 | 3 | | 30 |
| 1,1,2,2-Tetrachloroethane | 112 | | 111 | | 70-130 | 1 | | 30 |
| Benzene | 98 | | 101 | | 70-130 | 3 | | 30 |
| Toluene | 100 | | 101 | | 70-130 | 1 | | 30 |
| Ethylbenzene | 99 | | 100 | | 70-130 | 1 | | 30 |
| Chloromethane | 109 | | 108 | | 52-130 | 1 | | 30 |
| Bromomethane | 80 | | 82 | | 57-147 | 2 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 36 Batch: WG1124684-3 WG1124684-4 | | | | | | | | |
| Vinyl chloride | 110 | | 110 | | 67-130 | 0 | | 30 |
| Chloroethane | 103 | | 108 | | 50-151 | 5 | | 30 |
| 1,1-Dichloroethene | 98 | | 102 | | 65-135 | 4 | | 30 |
| trans-1,2-Dichloroethene | 99 | | 100 | | 70-130 | 1 | | 30 |
| Trichloroethene | 92 | | 95 | | 70-130 | 3 | | 30 |
| 1,2-Dichlorobenzene | 96 | | 96 | | 70-130 | 0 | | 30 |
| 1,3-Dichlorobenzene | 96 | | 98 | | 70-130 | 2 | | 30 |
| 1,4-Dichlorobenzene | 92 | | 94 | | 70-130 | 2 | | 30 |
| Methyl tert butyl ether | 100 | | 102 | | 66-130 | 2 | | 30 |
| p/m-Xylene | 97 | | 97 | | 70-130 | 0 | | 30 |
| o-Xylene | 96 | | 96 | | 70-130 | 0 | | 30 |
| cis-1,2-Dichloroethene | 98 | | 99 | | 70-130 | 1 | | 30 |
| Dibromomethane | 99 | | 103 | | 70-130 | 4 | | 30 |
| Styrene | 98 | | 98 | | 70-130 | 0 | | 30 |
| Dichlorodifluoromethane | 105 | | 108 | | 30-146 | 3 | | 30 |
| Acetone | 104 | | 99 | | 54-140 | 5 | | 30 |
| Carbon disulfide | 103 | | 106 | | 59-130 | 3 | | 30 |
| 2-Butanone | 95 | | 93 | | 70-130 | 2 | | 30 |
| Vinyl acetate | 102 | | 106 | | 70-130 | 4 | | 30 |
| 4-Methyl-2-pentanone | 110 | | 112 | | 70-130 | 2 | | 30 |
| 1,2,3-Trichloropropane | 110 | | 110 | | 68-130 | 0 | | 30 |
| 2-Hexanone | 103 | | 97 | | 70-130 | 6 | | 30 |
| Bromochloromethane | 88 | | 89 | | 70-130 | 1 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 36 Batch: WG1124684-3 WG1124684-4 | | | | | | | | |
| 2,2-Dichloropropane | 104 | | 106 | | 70-130 | 2 | | 30 |
| 1,2-Dibromoethane | 100 | | 98 | | 70-130 | 2 | | 30 |
| 1,3-Dichloropropane | 106 | | 106 | | 69-130 | 0 | | 30 |
| 1,1,1,2-Tetrachloroethane | 91 | | 92 | | 70-130 | 1 | | 30 |
| Bromobenzene | 97 | | 97 | | 70-130 | 0 | | 30 |
| n-Butylbenzene | 106 | | 108 | | 70-130 | 2 | | 30 |
| sec-Butylbenzene | 104 | | 107 | | 70-130 | 3 | | 30 |
| tert-Butylbenzene | 99 | | 97 | | 70-130 | 2 | | 30 |
| o-Chlorotoluene | 103 | | 104 | | 70-130 | 1 | | 30 |
| p-Chlorotoluene | 103 | | 105 | | 70-130 | 2 | | 30 |
| 1,2-Dibromo-3-chloropropane | 98 | | 94 | | 68-130 | 4 | | 30 |
| Hexachlorobutadiene | 97 | | 97 | | 67-130 | 0 | | 30 |
| Isopropylbenzene | 106 | | 106 | | 70-130 | 0 | | 30 |
| p-Isopropyltoluene | 97 | | 97 | | 70-130 | 0 | | 30 |
| Naphthalene | 99 | | 98 | | 70-130 | 1 | | 30 |
| Acrylonitrile | 108 | | 102 | | 70-130 | 6 | | 30 |
| n-Propylbenzene | 105 | | 107 | | 70-130 | 2 | | 30 |
| 1,2,3-Trichlorobenzene | 92 | | 93 | | 70-130 | 1 | | 30 |
| 1,2,4-Trichlorobenzene | 88 | | 92 | | 70-130 | 4 | | 30 |
| 1,3,5-Trimethylbenzene | 104 | | 105 | | 70-130 | 1 | | 30 |
| 1,2,4-Trimethylbenzene | 103 | | 104 | | 70-130 | 1 | | 30 |
| 1,4-Dioxane | 98 | | 98 | | 65-136 | 0 | | 30 |
| p-Diethylbenzene | 96 | | 96 | | 70-130 | 0 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 36 Batch: WG1124684-3 WG1124684-4 | | | | | | | | |
| p-Ethyltoluene | 104 | | 106 | | 70-130 | 2 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 94 | | 96 | | 70-130 | 2 | | 30 |
| Ethyl ether | 93 | | 100 | | 67-130 | 7 | | 30 |
| trans-1,4-Dichloro-2-butene | 119 | | 122 | | 70-130 | 2 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | | 110 | | 70-130 |
| Toluene-d8 | 102 | | 101 | | 70-130 |
| 4-Bromofluorobenzene | 113 | | 109 | | 70-130 |
| Dibromofluoromethane | 95 | | 97 | | 70-130 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 30 Batch: WG1124914-3 WG1124914-4 | | | | | | | | |
| Methylene chloride | 96 | | 94 | | 70-130 | 2 | | 30 |
| 1,1-Dichloroethane | 96 | | 97 | | 70-130 | 1 | | 30 |
| Chloroform | 95 | | 96 | | 70-130 | 1 | | 30 |
| Carbon tetrachloride | 88 | | 89 | | 70-130 | 1 | | 30 |
| 1,2-Dichloropropane | 96 | | 97 | | 70-130 | 1 | | 30 |
| Dibromochloromethane | 87 | | 87 | | 70-130 | 0 | | 30 |
| 1,1,2-Trichloroethane | 99 | | 97 | | 70-130 | 2 | | 30 |
| Tetrachloroethene | 88 | | 84 | | 70-130 | 5 | | 30 |
| Chlorobenzene | 87 | | 85 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | 85 | | 85 | | 70-139 | 0 | | 30 |
| 1,2-Dichloroethane | 94 | | 98 | | 70-130 | 4 | | 30 |
| 1,1,1-Trichloroethane | 94 | | 94 | | 70-130 | 0 | | 30 |
| Bromodichloromethane | 94 | | 95 | | 70-130 | 1 | | 30 |
| trans-1,3-Dichloropropene | 98 | | 100 | | 70-130 | 2 | | 30 |
| cis-1,3-Dichloropropene | 100 | | 101 | | 70-130 | 1 | | 30 |
| 1,1-Dichloropropene | 96 | | 95 | | 70-130 | 1 | | 30 |
| Bromoform | 89 | | 87 | | 70-130 | 2 | | 30 |
| 1,1,2,2-Tetrachloroethane | 102 | | 104 | | 70-130 | 2 | | 30 |
| Benzene | 94 | | 96 | | 70-130 | 2 | | 30 |
| Toluene | 97 | | 96 | | 70-130 | 1 | | 30 |
| Ethylbenzene | 94 | | 93 | | 70-130 | 1 | | 30 |
| Chloromethane | 99 | | 101 | | 52-130 | 2 | | 30 |
| Bromomethane | 75 | | 78 | | 57-147 | 4 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 30 Batch: WG1124914-3 WG1124914-4 | | | | | | | | |
| Vinyl chloride | 102 | | 102 | | 67-130 | 0 | | 30 |
| Chloroethane | 98 | | 96 | | 50-151 | 2 | | 30 |
| 1,1-Dichloroethene | 93 | | 93 | | 65-135 | 0 | | 30 |
| trans-1,2-Dichloroethene | 93 | | 95 | | 70-130 | 2 | | 30 |
| Trichloroethene | 92 | | 89 | | 70-130 | 3 | | 30 |
| 1,2-Dichlorobenzene | 92 | | 92 | | 70-130 | 0 | | 30 |
| 1,3-Dichlorobenzene | 92 | | 92 | | 70-130 | 0 | | 30 |
| 1,4-Dichlorobenzene | 89 | | 90 | | 70-130 | 1 | | 30 |
| Methyl tert butyl ether | 93 | | 95 | | 66-130 | 2 | | 30 |
| p/m-Xylene | 94 | | 93 | | 70-130 | 1 | | 30 |
| o-Xylene | 92 | | 91 | | 70-130 | 1 | | 30 |
| cis-1,2-Dichloroethene | 92 | | 95 | | 70-130 | 3 | | 30 |
| Dibromomethane | 93 | | 94 | | 70-130 | 1 | | 30 |
| Styrene | 96 | | 94 | | 70-130 | 2 | | 30 |
| Dichlorodifluoromethane | 102 | | 99 | | 30-146 | 3 | | 30 |
| Acetone | 96 | | 100 | | 54-140 | 4 | | 30 |
| Carbon disulfide | 99 | | 99 | | 59-130 | 0 | | 30 |
| 2-Butanone | 79 | | 77 | | 70-130 | 3 | | 30 |
| Vinyl acetate | 96 | | 97 | | 70-130 | 1 | | 30 |
| 4-Methyl-2-pentanone | 93 | | 107 | | 70-130 | 14 | | 30 |
| 1,2,3-Trichloropropane | 103 | | 102 | | 68-130 | 1 | | 30 |
| 2-Hexanone | 85 | | 85 | | 70-130 | 0 | | 30 |
| Bromochloromethane | 88 | | 86 | | 70-130 | 2 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 30 Batch: WG1124914-3 WG1124914-4 | | | | | | | | |
| 2,2-Dichloropropane | 97 | | 96 | | 70-130 | 1 | | 30 |
| 1,2-Dibromoethane | 96 | | 94 | | 70-130 | 2 | | 30 |
| 1,3-Dichloropropane | 100 | | 100 | | 69-130 | 0 | | 30 |
| 1,1,1,2-Tetrachloroethane | 88 | | 87 | | 70-130 | 1 | | 30 |
| Bromobenzene | 93 | | 92 | | 70-130 | 1 | | 30 |
| n-Butylbenzene | 100 | | 98 | | 70-130 | 2 | | 30 |
| sec-Butylbenzene | 99 | | 99 | | 70-130 | 0 | | 30 |
| tert-Butylbenzene | 92 | | 92 | | 70-130 | 0 | | 30 |
| o-Chlorotoluene | 96 | | 96 | | 70-130 | 0 | | 30 |
| p-Chlorotoluene | 98 | | 98 | | 70-130 | 0 | | 30 |
| 1,2-Dibromo-3-chloropropane | 96 | | 92 | | 68-130 | 4 | | 30 |
| Hexachlorobutadiene | 95 | | 89 | | 67-130 | 7 | | 30 |
| Isopropylbenzene | 100 | | 99 | | 70-130 | 1 | | 30 |
| p-Isopropyltoluene | 92 | | 90 | | 70-130 | 2 | | 30 |
| Naphthalene | 90 | | 93 | | 70-130 | 3 | | 30 |
| Acrylonitrile | 93 | | 99 | | 70-130 | 6 | | 30 |
| n-Propylbenzene | 100 | | 98 | | 70-130 | 2 | | 30 |
| 1,2,3-Trichlorobenzene | 90 | | 88 | | 70-130 | 2 | | 30 |
| 1,2,4-Trichlorobenzene | 87 | | 87 | | 70-130 | 0 | | 30 |
| 1,3,5-Trimethylbenzene | 100 | | 99 | | 70-130 | 1 | | 30 |
| 1,2,4-Trimethylbenzene | 100 | | 100 | | 70-130 | 0 | | 30 |
| 1,4-Dioxane | 94 | | 95 | | 65-136 | 1 | | 30 |
| p-Diethylbenzene | 90 | | 89 | | 70-130 | 1 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 30 Batch: WG1124914-3 WG1124914-4 | | | | | | | | |
| p-Ethyltoluene | 100 | | 100 | | 70-130 | 0 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 89 | | 89 | | 70-130 | 0 | | 30 |
| Ethyl ether | 89 | | 94 | | 67-130 | 5 | | 30 |
| trans-1,4-Dichloro-2-butene | 106 | | 115 | | 70-130 | 8 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 109 | | 70-130 |
| Toluene-d8 | 103 | | 101 | | 70-130 |
| 4-Bromofluorobenzene | 110 | | 111 | | 70-130 |
| Dibromofluoromethane | 94 | | 97 | | 70-130 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-21 Batch: WG1124998-3 WG1124998-4 | | | | | | | | |
| Methylene chloride | 98 | | 96 | | 70-130 | 2 | | 20 |
| 1,1-Dichloroethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| Chloroform | 110 | | 100 | | 70-130 | 10 | | 20 |
| Carbon tetrachloride | 120 | | 110 | | 63-132 | 9 | | 20 |
| 1,2-Dichloropropane | 100 | | 100 | | 70-130 | 0 | | 20 |
| Dibromochloromethane | 98 | | 100 | | 63-130 | 2 | | 20 |
| 1,1,2-Trichloroethane | 94 | | 96 | | 70-130 | 2 | | 20 |
| Tetrachloroethene | 73 | | 73 | | 70-130 | 0 | | 20 |
| Chlorobenzene | 98 | | 99 | | 75-130 | 1 | | 20 |
| Trichlorofluoromethane | 130 | | 130 | | 62-150 | 0 | | 20 |
| 1,2-Dichloroethane | 110 | | 110 | | 70-130 | 0 | | 20 |
| 1,1,1-Trichloroethane | 120 | | 110 | | 67-130 | 9 | | 20 |
| Bromodichloromethane | 110 | | 100 | | 67-130 | 10 | | 20 |
| trans-1,3-Dichloropropene | 100 | | 110 | | 70-130 | 10 | | 20 |
| cis-1,3-Dichloropropene | 110 | | 110 | | 70-130 | 0 | | 20 |
| 1,1-Dichloropropene | 110 | | 110 | | 70-130 | 0 | | 20 |
| Bromoform | 78 | | 79 | | 54-136 | 1 | | 20 |
| 1,1,2,2-Tetrachloroethane | 75 | | 75 | | 67-130 | 0 | | 20 |
| Benzene | 100 | | 100 | | 70-130 | 0 | | 20 |
| Toluene | 96 | | 98 | | 70-130 | 2 | | 20 |
| Ethylbenzene | 100 | | 100 | | 70-130 | 0 | | 20 |
| Chloromethane | 100 | | 100 | | 64-130 | 0 | | 20 |
| Bromomethane | 120 | | 120 | | 39-139 | 0 | | 20 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-21 Batch: WG1124998-3 WG1124998-4 | | | | | | | | |
| Vinyl chloride | 110 | | 110 | | 55-140 | 0 | | 20 |
| Chloroethane | 120 | | 120 | | 55-138 | 0 | | 20 |
| 1,1-Dichloroethene | 110 | | 100 | | 61-145 | 10 | | 20 |
| trans-1,2-Dichloroethene | 100 | | 100 | | 70-130 | 0 | | 20 |
| Trichloroethene | 110 | | 100 | | 70-130 | 10 | | 20 |
| 1,2-Dichlorobenzene | 82 | | 82 | | 70-130 | 0 | | 20 |
| 1,3-Dichlorobenzene | 84 | | 84 | | 70-130 | 0 | | 20 |
| 1,4-Dichlorobenzene | 84 | | 83 | | 70-130 | 1 | | 20 |
| Methyl tert butyl ether | 110 | | 110 | | 63-130 | 0 | | 20 |
| p/m-Xylene | 100 | | 105 | | 70-130 | 5 | | 20 |
| o-Xylene | 100 | | 100 | | 70-130 | 0 | | 20 |
| cis-1,2-Dichloroethene | 100 | | 100 | | 70-130 | 0 | | 20 |
| Dibromomethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,2,3-Trichloropropane | 77 | | 77 | | 64-130 | 0 | | 20 |
| Acrylonitrile | 100 | | 100 | | 70-130 | 0 | | 20 |
| Styrene | 105 | | 105 | | 70-130 | 0 | | 20 |
| Dichlorodifluoromethane | 130 | | 120 | | 36-147 | 8 | | 20 |
| Acetone | 92 | | 92 | | 58-148 | 0 | | 20 |
| Carbon disulfide | 100 | | 100 | | 51-130 | 0 | | 20 |
| 2-Butanone | 100 | | 100 | | 63-138 | 0 | | 20 |
| Vinyl acetate | 110 | | 110 | | 70-130 | 0 | | 20 |
| 4-Methyl-2-pentanone | 88 | | 89 | | 59-130 | 1 | | 20 |
| 2-Hexanone | 86 | | 88 | | 57-130 | 2 | | 20 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-21 Batch: WG1124998-3 WG1124998-4 | | | | | | | | |
| Bromochloromethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 2,2-Dichloropropane | 120 | | 120 | | 63-133 | 0 | | 20 |
| 1,2-Dibromoethane | 97 | | 100 | | 70-130 | 3 | | 20 |
| 1,3-Dichloropropane | 95 | | 95 | | 70-130 | 0 | | 20 |
| 1,1,1,2-Tetrachloroethane | 100 | | 100 | | 64-130 | 0 | | 20 |
| Bromobenzene | 83 | | 83 | | 70-130 | 0 | | 20 |
| n-Butylbenzene | 89 | | 88 | | 53-136 | 1 | | 20 |
| sec-Butylbenzene | 86 | | 84 | | 70-130 | 2 | | 20 |
| tert-Butylbenzene | 79 | | 78 | | 70-130 | 1 | | 20 |
| o-Chlorotoluene | 82 | | 82 | | 70-130 | 0 | | 20 |
| p-Chlorotoluene | 87 | | 86 | | 70-130 | 1 | | 20 |
| 1,2-Dibromo-3-chloropropane | 71 | | 72 | | 41-144 | 1 | | 20 |
| Hexachlorobutadiene | 83 | | 83 | | 63-130 | 0 | | 20 |
| Isopropylbenzene | 86 | | 86 | | 70-130 | 0 | | 20 |
| p-Isopropyltoluene | 88 | | 87 | | 70-130 | 1 | | 20 |
| Naphthalene | 77 | | 75 | | 70-130 | 3 | | 20 |
| n-Propylbenzene | 86 | | 85 | | 69-130 | 1 | | 20 |
| 1,2,3-Trichlorobenzene | 83 | | 82 | | 70-130 | 1 | | 20 |
| 1,2,4-Trichlorobenzene | 88 | | 87 | | 70-130 | 1 | | 20 |
| 1,3,5-Trimethylbenzene | 87 | | 86 | | 64-130 | 1 | | 20 |
| 1,2,4-Trimethylbenzene | 87 | | 86 | | 70-130 | 1 | | 20 |
| 1,4-Dioxane | 84 | | 82 | | 56-162 | 2 | | 20 |
| p-Diethylbenzene | 90 | | 89 | | 70-130 | 1 | | 20 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-21 Batch: WG1124998-3 WG1124998-4 | | | | | | | | |
| p-Ethyltoluene | 87 | | 86 | | 70-130 | 1 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 90 | | 90 | | 70-130 | 0 | | 20 |
| Ethyl ether | 100 | | 100 | | 59-134 | 0 | | 20 |
| trans-1,4-Dichloro-2-butene | 82 | | 80 | | 70-130 | 2 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 108 | | 70-130 |
| Toluene-d8 | 96 | | 97 | | 70-130 |
| 4-Bromofluorobenzene | 92 | | 91 | | 70-130 |
| Dibromofluoromethane | 102 | | 101 | | 70-130 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22 Batch: WG1125057-3 WG1125057-4 | | | | | | | | |
| Methylene chloride | 93 | | 92 | | 70-130 | 1 | | 20 |
| 1,1-Dichloroethane | 84 | | 84 | | 70-130 | 0 | | 20 |
| Chloroform | 89 | | 87 | | 70-130 | 2 | | 20 |
| Carbon tetrachloride | 84 | | 80 | | 63-132 | 5 | | 20 |
| 1,2-Dichloropropane | 86 | | 86 | | 70-130 | 0 | | 20 |
| Dibromochloromethane | 84 | | 83 | | 63-130 | 1 | | 20 |
| 1,1,2-Trichloroethane | 99 | | 99 | | 70-130 | 0 | | 20 |
| Tetrachloroethene | 86 | | 83 | | 70-130 | 4 | | 20 |
| Chlorobenzene | 91 | | 90 | | 75-130 | 1 | | 20 |
| Trichlorofluoromethane | 75 | | 73 | | 62-150 | 3 | | 20 |
| 1,2-Dichloroethane | 82 | | 83 | | 70-130 | 1 | | 20 |
| 1,1,1-Trichloroethane | 85 | | 82 | | 67-130 | 4 | | 20 |
| Bromodichloromethane | 88 | | 89 | | 67-130 | 1 | | 20 |
| trans-1,3-Dichloropropene | 91 | | 89 | | 70-130 | 2 | | 20 |
| cis-1,3-Dichloropropene | 89 | | 88 | | 70-130 | 1 | | 20 |
| 1,1-Dichloropropene | 86 | | 83 | | 70-130 | 4 | | 20 |
| Bromoform | 88 | | 88 | | 54-136 | 0 | | 20 |
| 1,1,2,2-Tetrachloroethane | 110 | | 110 | | 67-130 | 0 | | 20 |
| Benzene | 93 | | 93 | | 70-130 | 0 | | 20 |
| Toluene | 94 | | 93 | | 70-130 | 1 | | 20 |
| Ethylbenzene | 98 | | 96 | | 70-130 | 2 | | 20 |
| Chloromethane | **60** | Q | **58** | Q | 64-130 | 3 | | 20 |
| Bromomethane | 74 | | 71 | | 39-139 | 4 | | 20 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22 Batch: WG1125057-3 WG1125057-4 | | | | | | | | |
| Vinyl chloride | 70 | | 67 | | 55-140 | 4 | | 20 |
| Chloroethane | 82 | | 79 | | 55-138 | 4 | | 20 |
| 1,1-Dichloroethene | 82 | | 80 | | 61-145 | 2 | | 20 |
| trans-1,2-Dichloroethene | 89 | | 87 | | 70-130 | 2 | | 20 |
| Trichloroethene | 90 | | 88 | | 70-130 | 2 | | 20 |
| 1,2-Dichlorobenzene | 94 | | 95 | | 70-130 | 1 | | 20 |
| 1,3-Dichlorobenzene | 94 | | 93 | | 70-130 | 1 | | 20 |
| 1,4-Dichlorobenzene | 93 | | 93 | | 70-130 | 0 | | 20 |
| Methyl tert butyl ether | 81 | | 79 | | 63-130 | 3 | | 20 |
| p/m-Xylene | 100 | | 100 | | 70-130 | 0 | | 20 |
| o-Xylene | 100 | | 100 | | 70-130 | 0 | | 20 |
| cis-1,2-Dichloroethene | 92 | | 89 | | 70-130 | 3 | | 20 |
| Dibromomethane | 90 | | 91 | | 70-130 | 1 | | 20 |
| 1,2,3-Trichloropropane | 100 | | 100 | | 64-130 | 0 | | 20 |
| Acrylonitrile | 100 | | 97 | | 70-130 | 3 | | 20 |
| Styrene | 105 | | 105 | | 70-130 | 0 | | 20 |
| Dichlorodifluoromethane | 66 | | 63 | | 36-147 | 5 | | 20 |
| Acetone | 89 | | 90 | | 58-148 | 1 | | 20 |
| Carbon disulfide | 86 | | 85 | | 51-130 | 1 | | 20 |
| 2-Butanone | 96 | | 99 | | 63-138 | 3 | | 20 |
| Vinyl acetate | 97 | | 97 | | 70-130 | 0 | | 20 |
| 4-Methyl-2-pentanone | 98 | | 98 | | 59-130 | 0 | | 20 |
| 2-Hexanone | 94 | | 96 | | 57-130 | 2 | | 20 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22 Batch: WG1125057-3 WG1125057-4 | | | | | | | | |
| Bromochloromethane | 87 | | 86 | | 70-130 | 1 | | 20 |
| 2,2-Dichloropropane | 86 | | 84 | | 63-133 | 2 | | 20 |
| 1,2-Dibromoethane | 95 | | 96 | | 70-130 | 1 | | 20 |
| 1,3-Dichloropropane | 95 | | 94 | | 70-130 | 1 | | 20 |
| 1,1,1,2-Tetrachloroethane | 87 | | 86 | | 64-130 | 1 | | 20 |
| Bromobenzene | 87 | | 89 | | 70-130 | 2 | | 20 |
| n-Butylbenzene | 100 | | 100 | | 53-136 | 0 | | 20 |
| sec-Butylbenzene | 100 | | 100 | | 70-130 | 0 | | 20 |
| tert-Butylbenzene | 95 | | 94 | | 70-130 | 1 | | 20 |
| o-Chlorotoluene | 99 | | 100 | | 70-130 | 1 | | 20 |
| p-Chlorotoluene | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,2-Dibromo-3-chloropropane | 89 | | 91 | | 41-144 | 2 | | 20 |
| Hexachlorobutadiene | 120 | | 110 | | 63-130 | 9 | | 20 |
| Isopropylbenzene | 100 | | 100 | | 70-130 | 0 | | 20 |
| p-Isopropyltoluene | 99 | | 97 | | 70-130 | 2 | | 20 |
| Naphthalene | 130 | | **140** | Q | 70-130 | 7 | | 20 |
| n-Propylbenzene | 100 | | 100 | | 69-130 | 0 | | 20 |
| 1,2,3-Trichlorobenzene | **160** | Q | **170** | Q | 70-130 | 6 | | 20 |
| 1,2,4-Trichlorobenzene | 110 | | 110 | | 70-130 | 0 | | 20 |
| 1,3,5-Trimethylbenzene | 100 | | 100 | | 64-130 | 0 | | 20 |
| 1,2,4-Trimethylbenzene | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,4-Dioxane | 122 | | 124 | | 56-162 | 2 | | 20 |
| p-Diethylbenzene | 100 | | 100 | | 70-130 | 0 | | 20 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22 Batch: WG1125057-3 WG1125057-4 | | | | | | | | |
| p-Ethyltoluene | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 100 | | 98 | | 70-130 | 2 | | 20 |
| Ethyl ether | 91 | | 91 | | 59-134 | 0 | | 20 |
| trans-1,4-Dichloro-2-butene | 86 | | 89 | | 70-130 | 3 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 98 | | 70-130 |
| Toluene-d8 | 104 | | 104 | | 70-130 |
| 4-Bromofluorobenzene | 110 | | 113 | | 70-130 |
| Dibromofluoromethane | 99 | | 99 | | 70-130 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 17-18,31-35 QC Batch ID: WG1124621-6 WG1124621-7 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| Methylene chloride | ND | 7500 | 8000 | 106 | | 8200 | 110 | | 70-130 | 3 | | 30 |
| 1,1-Dichloroethane | ND | 7500 | 8100 | 107 | | 8200 | 109 | | 70-130 | 1 | | 30 |
| Chloroform | ND | 7500 | 7800 | 103 | | 7700 | 103 | | 70-130 | 1 | | 30 |
| Carbon tetrachloride | ND | 7500 | 8200 | 109 | | 7800 | 104 | | 70-130 | 4 | | 30 |
| 1,2-Dichloropropane | ND | 7500 | 8000 | 106 | | 7800 | 104 | | 70-130 | 2 | | 30 |
| Dibromochloromethane | ND | 7500 | 7600 | 101 | | 7400 | 99 | | 70-130 | 2 | | 30 |
| 1,1,2-Trichloroethane | ND | 7500 | 7500 | 100 | | 7600 | 101 | | 70-130 | 0 | | 30 |
| Tetrachloroethene | 2800 | 7500 | 10000 | 96 | | 7700 | **65** | Q | 70-130 | 26 | | 30 |
| Chlorobenzene | ND | 7500 | 7400 | 99 | | 5800 | 78 | | 70-130 | 24 | | 30 |
| Trichlorofluoromethane | ND | 7500 | 1700 | **22** | Q | 1500 | **20** | Q | 70-139 | 10 | | 30 |
| 1,2-Dichloroethane | ND | 7500 | 7800 | 104 | | 7800 | 104 | | 70-130 | 0 | | 30 |
| 1,1,1-Trichloroethane | 130 | 7500 | 8200 | 108 | | 8100 | 106 | | 70-130 | 2 | | 30 |
| Bromodichloromethane | ND | 7500 | 7800 | 104 | | 7600 | 101 | | 70-130 | 3 | | 30 |
| trans-1,3-Dichloropropene | ND | 7500 | 7500 | 100 | | 7100 | 95 | | 70-130 | 5 | | 30 |
| cis-1,3-Dichloropropene | ND | 7500 | 7800 | 104 | | 7300 | 97 | | 70-130 | 6 | | 30 |
| 1,1-Dichloropropene | ND | 7500 | 8300 | 110 | | 7600 | 102 | | 70-130 | 8 | | 30 |
| Bromoform | ND | 7500 | 7300 | 97 | | 7100 | 95 | | 70-130 | 2 | | 30 |
| 1,1,2,2-Tetrachloroethane | ND | 7500 | 7300 | 97 | | 7300 | 97 | | 70-130 | 0 | | 30 |
| Benzene | ND | 7500 | 7700 | 103 | | 7400 | 98 | | 70-130 | 4 | | 30 |
| Toluene | 15.J | 7500 | 7400 | 99 | | 6300 | 84 | | 70-130 | 16 | | 30 |
| Ethylbenzene | ND | 7500 | 7700 | 102 | | 5400 | 72 | | 70-130 | **34** | Q | 30 |
| Chloromethane | ND | 7500 | 7900 | 105 | | 8300 | 111 | | 52-130 | 5 | | 30 |
| Bromomethane | ND | 7500 | 6400 | 85 | | 7300 | 98 | | 57-147 | 13 | | 30 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 17-18,31-35 QC Batch ID: WG1124621-6 WG1124621-7 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| Vinyl chloride | ND | 7500 | 8000 | 107 | | 8500 | 113 | | 67-130 | 5 | | 30 |
| Chloroethane | ND | 7500 | 2200 | **30** | Q | 2200 | **29** | Q | 50-151 | 2 | | 30 |
| 1,1-Dichloroethene | ND | 7500 | 8400 | 112 | | 8500 | 113 | | 65-135 | 1 | | 30 |
| trans-1,2-Dichloroethene | ND | 7500 | 7900 | 106 | | 7800 | 103 | | 70-130 | 2 | | 30 |
| Trichloroethene | 1300 | 7500 | 9200 | 105 | | 8100 | 91 | | 70-130 | 12 | | 30 |
| 1,2-Dichlorobenzene | ND | 7500 | 7300 | 97 | | 4900 | **66** | Q | 70-130 | **39** | Q | 30 |
| 1,3-Dichlorobenzene | ND | 7500 | 7200 | 96 | | 4400 | **59** | Q | 70-130 | **48** | Q | 30 |
| 1,4-Dichlorobenzene | ND | 7500 | 7100 | 95 | | 4300 | **57** | Q | 70-130 | **50** | Q | 30 |
| Methyl tert butyl ether | ND | 7500 | 7700 | 103 | | 8100 | 108 | | 66-130 | 5 | | 30 |
| p/m-Xylene | ND | 15000 | 15000 | 102 | | 10000 | **69** | Q | 70-130 | **38** | Q | 30 |
| o-Xylene | ND | 15000 | 15000 | 103 | | 11000 | 74 | | 70-130 | **32** | Q | 30 |
| cis-1,2-Dichloroethene | 41.J | 7500 | 7800 | 104 | | 7700 | 103 | | 70-130 | 1 | | 30 |
| Dibromomethane | ND | 7500 | 7700 | 103 | | 7700 | 103 | | 70-130 | 0 | | 30 |
| Styrene | ND | 15000 | 16000 | 107 | | 12000 | 78 | | 70-130 | **32** | Q | 30 |
| Dichlorodifluoromethane | ND | 7500 | 8300 | 110 | | 8900 | 119 | | 30-146 | 8 | | 30 |
| Acetone | ND | 7500 | 7500 | 100 | | 8000 | 107 | | 54-140 | 7 | | 30 |
| Carbon disulfide | ND | 7500 | 7800 | 104 | | 7700 | 102 | | 59-130 | 2 | | 30 |
| 2-Butanone | ND | 7500 | 7000 | 93 | | 7500 | 100 | | 70-130 | 7 | | 30 |
| Vinyl acetate | ND | 7500 | 7900 | 105 | | 8200 | 109 | | 70-130 | 3 | | 30 |
| 4-Methyl-2-pentanone | ND | 7500 | 7500 | 100 | | 8100 | 107 | | 70-130 | 7 | | 30 |
| 1,2,3-Trichloropropane | ND | 7500 | 7300 | 97 | | 7200 | 95 | | 68-130 | 1 | | 30 |
| 2-Hexanone | ND | 7500 | 6700 | 89 | | 7200 | 95 | | 70-130 | 6 | | 30 |
| Bromochloromethane | ND | 7500 | 7700 | 102 | | 7700 | 103 | | 70-130 | 1 | | 30 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 17-18,31-35 QC Batch ID: WG1124621-6 WG1124621-7 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| 2,2-Dichloropropane | ND | 7500 | 7900 | 105 | | 7800 | 104 | | 70-130 | 1 | | 30 |
| 1,2-Dibromoethane | ND | 7500 | 7400 | 98 | | 7300 | 97 | | 70-130 | 1 | | 30 |
| 1,3-Dichloropropane | ND | 7500 | 7500 | 100 | | 7400 | 99 | | 69-130 | 1 | | 30 |
| 1,1,1,2-Tetrachloroethane | ND | 7500 | 7600 | 102 | | 6800 | 90 | | 70-130 | 12 | | 30 |
| Bromobenzene | ND | 7500 | 7200 | 96 | | 5400 | 72 | | 70-130 | 28 | | 30 |
| n-Butylbenzene | ND | 7500 | 7600 | 102 | | 2900 | **39** | Q | 70-130 | **90** | Q | 30 |
| sec-Butylbenzene | ND | 7500 | 7800 | 103 | | 3800 | **51** | Q | 70-130 | **68** | Q | 30 |
| tert-Butylbenzene | ND | 7500 | 7600 | 102 | | 4300 | **58** | Q | 70-130 | **55** | Q | 30 |
| o-Chlorotoluene | ND | 7500 | 8500 | 113 | | 5200 | **69** | Q | 70-130 | **48** | Q | 30 |
| p-Chlorotoluene | ND | 7500 | 7300 | 98 | | 4300 | **58** | Q | 70-130 | **51** | Q | 30 |
| 1,2-Dibromo-3-chloropropane | ND | 7500 | 7000 | 94 | | 7200 | 96 | | 68-130 | 3 | | 30 |
| Hexachlorobutadiene | ND | 7500 | 7700 | 102 | | 2500 | **33** | Q | 67-130 | **103** | Q | 30 |
| Isopropylbenzene | ND | 7500 | 7600 | 101 | | 4800 | **64** | Q | 70-130 | **45** | Q | 30 |
| p-Isopropyltoluene | ND | 7500 | 7600 | 101 | | 3400 | **46** | Q | 70-130 | **76** | Q | 30 |
| Naphthalene | 350J | 7500 | 7600 | 101 | | 6400 | 86 | | 70-130 | 16 | | 30 |
| Acrylonitrile | ND | 7500 | 7500 | 100 | | 8000 | 106 | | 70-130 | 6 | | 30 |
| n-Propylbenzene | ND | 7500 | 7700 | 102 | | 4100 | **55** | Q | 70-130 | **60** | Q | 30 |
| 1,2,3-Trichlorobenzene | ND | 7500 | 7200 | 96 | | 4700 | **62** | Q | 70-130 | **42** | Q | 30 |
| 1,2,4-Trichlorobenzene | ND | 7500 | 7100 | 94 | | 4200 | **56** | Q | 70-130 | **52** | Q | 30 |
| 1,3,5-Trimethylbenzene | ND | 7500 | 7600 | 101 | | 4300 | **58** | Q | 70-130 | **55** | Q | 30 |
| 1,2,4-Trimethylbenzene | ND | 7500 | 7400 | 99 | | 4200 | **56** | Q | 70-130 | **56** | Q | 30 |
| 1,4-Dioxane | ND | 380000 | 310000 | 81 | | 330000 | 87 | | 65-136 | 7 | | 30 |
| p-Diethylbenzene | ND | 7500 | 7500 | 100 | | 3000 | **40** | Q | 70-130 | **85** | Q | 30 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 17-18,31-35 QC Batch ID: WG1124621-6 WG1124621-7 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| p-Ethyltoluene | ND | 7500 | 7500 | 100 | | 3900 | **52** | Q | 70-130 | **63** | Q | 30 |
| 1,2,4,5-Tetramethylbenzene | ND | 7500 | 7500 | 100 | | 3700 | **50** | Q | 70-130 | **68** | Q | 30 |
| Ethyl ether | ND | 7500 | 7900 | 106 | | 8300 | 110 | | 67-130 | 4 | | 30 |
| trans-1,4-Dichloro-2-butene | ND | 7500 | 7100 | 94 | | 6900 | 92 | | 70-130 | 2 | | 30 |

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

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 36 QC Batch ID: WG1124684-6 WG1124684-7 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| Methylene chloride | ND | 199 | 190 | 93 | | 120 | 92 | | 70-130 | **39** | Q | 30 |
| 1,1-Dichloroethane | ND | 199 | 200 | 102 | | 140 | 102 | | 70-130 | **39** | Q | 30 |
| Chloroform | ND | 199 | 190 | 96 | | 120 | 92 | | 70-130 | **42** | Q | 30 |
| Carbon tetrachloride | ND | 199 | 190 | 94 | | 120 | 91 | | 70-130 | **42** | Q | 30 |
| 1,2-Dichloropropane | ND | 199 | 200 | 98 | | 130 | 94 | | 70-130 | **43** | Q | 30 |
| Dibromochloromethane | ND | 199 | 160 | 80 | | 99 | 74 | | 70-130 | **47** | Q | 30 |
| 1,1,2-Trichloroethane | ND | 199 | 180 | 91 | | 110 | 84 | | 70-130 | **46** | Q | 30 |
| Tetrachloroethene | 4.2 | 199 | 160 | 77 | | 89 | **63** | Q | 70-130 | **55** | Q | 30 |
| Chlorobenzene | ND | 199 | 140 | **69** | Q | 69 | **51** | Q | 70-130 | **66** | Q | 30 |
| Trichlorofluoromethane | ND | 199 | 180 | 90 | | 130 | 97 | | 70-139 | **31** | Q | 30 |
| 1,2-Dichloroethane | ND | 199 | 190 | 94 | | 120 | 90 | | 70-130 | **43** | Q | 30 |
| 1,1,1-Trichloroethane | ND | 199 | 200 | 100 | | 130 | 99 | | 70-130 | **39** | Q | 30 |
| Bromodichloromethane | ND | 199 | 190 | 94 | | 120 | 86 | | 70-130 | **47** | Q | 30 |
| trans-1,3-Dichloropropene | ND | 199 | 170 | 88 | | 100 | 78 | | 70-130 | **50** | Q | 30 |
| cis-1,3-Dichloropropene | ND | 199 | 190 | 95 | | 110 | 84 | | 70-130 | **50** | Q | 30 |
| 1,1-Dichloropropene | ND | 199 | 200 | 99 | | 120 | 91 | | 70-130 | **47** | Q | 30 |
| Bromoform | ND | 199 | 160 | 82 | | 100 | 75 | | 70-130 | **48** | Q | 30 |
| 1,1,2,2-Tetrachloroethane | ND | 199 | 160 | 82 | | 100 | 76 | | 70-130 | **47** | Q | 30 |
| Benzene | ND | 199 | 190 | 95 | | 120 | 88 | | 70-130 | **46** | Q | 30 |
| Toluene | 0.88J | 199 | 170 | 87 | | 98 | 73 | | 70-130 | **56** | Q | 30 |
| Ethylbenzene | ND | 199 | 160 | 79 | | 74 | **55** | Q | 70-130 | **72** | Q | 30 |
| Chloromethane | ND | 199 | 210 | 106 | | 150 | 113 | | 52-130 | **32** | Q | 30 |
| Bromomethane | ND | 199 | 170 | 84 | | 120 | 92 | | 57-147 | 30 | | 30 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 36 QC Batch ID: WG1124684-6 WG1124684-7 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| Vinyl chloride | ND | 199 | 210 | 108 | | 160 | 118 | | 67-130 | 30 | | 30 |
| Chloroethane | ND | 199 | 210 | 106 | | 150 | 112 | | 50-151 | **34** | Q | 30 |
| 1,1-Dichloroethene | ND | 199 | 200 | 99 | | 140 | 104 | | 65-135 | **33** | Q | 30 |
| trans-1,2-Dichloroethene | ND | 199 | 190 | 93 | | 120 | 90 | | 70-130 | **42** | Q | 30 |
| Trichloroethene | 2.2 | 199 | 180 | 90 | | 120 | 88 | | 70-130 | **41** | Q | 30 |
| 1,2-Dichlorobenzene | ND | 199 | 110 | **54** | Q | 46 | **34** | Q | 70-130 | **80** | Q | 30 |
| 1,3-Dichlorobenzene | ND | 199 | 110 | **53** | Q | 42 | **31** | Q | 70-130 | **87** | Q | 30 |
| 1,4-Dichlorobenzene | ND | 199 | 100 | **50** | Q | 37 | **28** | Q | 70-130 | **91** | Q | 30 |
| Methyl tert butyl ether | ND | 199 | 190 | 95 | | 130 | 98 | | 66-130 | **36** | Q | 30 |
| p/m-Xylene | ND | 398 | 300 | 76 | | 140 | **51** | Q | 70-130 | **76** | Q | 30 |
| o-Xylene | ND | 398 | 310 | 77 | | 150 | **54** | Q | 70-130 | **71** | Q | 30 |
| cis-1,2-Dichloroethene | ND | 199 | 180 | 91 | | 120 | 88 | | 70-130 | **42** | Q | 30 |
| Dibromomethane | ND | 199 | 180 | 90 | | 110 | 84 | | 70-130 | **46** | Q | 30 |
| Styrene | ND | 398 | 290 | 74 | | 130 | **49** | Q | 70-130 | **76** | Q | 30 |
| Dichlorodifluoromethane | ND | 199 | 220 | 109 | | 170 | 124 | | 30-146 | 26 | | 30 |
| Acetone | ND | 199 | 210 | 104 | | 160 | 117 | | 54-140 | 27 | | 30 |
| Carbon disulfide | ND | 199 | 190 | 96 | | 130 | 94 | | 59-130 | **41** | Q | 30 |
| 2-Butanone | ND | 199 | 190 | 94 | | 120 | 89 | | 70-130 | **44** | Q | 30 |
| Vinyl acetate | ND | 199 | 44 | **22** | Q | 25 | **19** | Q | 70-130 | **54** | Q | 30 |
| 4-Methyl-2-pentanone | ND | 199 | 200 | 99 | | 130 | 94 | | 70-130 | **43** | Q | 30 |
| 1,2,3-Trichloropropane | ND | 199 | 180 | 90 | | 110 | 84 | | 68-130 | **45** | Q | 30 |
| 2-Hexanone | ND | 199 | 170 | 84 | | 110 | 79 | | 70-130 | **45** | Q | 30 |
| Bromochloromethane | ND | 199 | 160 | 81 | | 100 | 78 | | 70-130 | **43** | Q | 30 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 36 QC Batch ID: WG1124684-6 WG1124684-7 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| 2,2-Dichloropropane | ND | 199 | 210 | 104 | | 140 | 106 | | 70-130 | **37** | Q | 30 |
| 1,2-Dibromoethane | ND | 199 | 160 | 81 | | 100 | 75 | | 70-130 | **47** | Q | 30 |
| 1,3-Dichloropropane | ND | 199 | 180 | 92 | | 120 | 86 | | 69-130 | **45** | Q | 30 |
| 1,1,1,2-Tetrachloroethane | ND | 199 | 160 | 82 | | 92 | **69** | Q | 70-130 | **55** | Q | 30 |
| Bromobenzene | ND | 199 | 130 | **63** | Q | 62 | **46** | Q | 70-130 | **69** | Q | 30 |
| n-Butylbenzene | ND | 199 | 100 | **52** | Q | 29 | **22** | Q | 70-130 | **113** | Q | 30 |
| sec-Butylbenzene | ND | 199 | 130 | **66** | Q | 47 | **35** | Q | 70-130 | **96** | Q | 30 |
| tert-Butylbenzene | ND | 199 | 140 | **68** | Q | 55 | **41** | Q | 70-130 | **84** | Q | 30 |
| o-Chlorotoluene | ND | 199 | 140 | **69** | Q | 56 | **42** | Q | 70-130 | **83** | Q | 30 |
| p-Chlorotoluene | ND | 199 | 130 | **64** | Q | 49 | **36** | Q | 70-130 | **89** | Q | 30 |
| 1,2-Dibromo-3-chloropropane | ND | 199 | 150 | 73 | | 91 | 68 | | 68-130 | **46** | Q | 30 |
| Hexachlorobutadiene | ND | 199 | 69 | **35** | Q | 19 | **14** | Q | 67-130 | **115** | Q | 30 |
| Isopropylbenzene | ND | 199 | 160 | 80 | | 70 | **52** | Q | 70-130 | **79** | Q | 30 |
| p-Isopropyltoluene | ND | 199 | 120 | **58** | Q | 38 | **28** | Q | 70-130 | **101** | Q | 30 |
| Naphthalene | ND | 199 | 89 | **44** | Q | 42 | **31** | Q | 70-130 | **71** | Q | 30 |
| Acrylonitrile | ND | 199 | 200 | 99 | | 130 | 95 | | 70-130 | **42** | Q | 30 |
| n-Propylbenzene | ND | 199 | 140 | 71 | | 53 | **39** | Q | 70-130 | **91** | Q | 30 |
| 1,2,3-Trichlorobenzene | ND | 199 | 67 | **34** | Q | 28 | **21** | Q | 70-130 | **83** | Q | 30 |
| 1,2,4-Trichlorobenzene | ND | 199 | 66 | **33** | Q | 25 | **19** | Q | 70-130 | **90** | Q | 30 |
| 1,3,5-Trimethylbenzene | ND | 199 | 140 | 70 | | 55 | **41** | Q | 70-130 | **87** | Q | 30 |
| 1,2,4-Trimethylbenzene | ND | 199 | 140 | **69** | Q | 52 | **38** | Q | 70-130 | **91** | Q | 30 |
| 1,4-Dioxane | ND | 9940 | 10000 | 100 | | 7200 | 107 | | 65-136 | **32** | Q | 30 |
| p-Diethylbenzene | ND | 199 | 100 | **51** | Q | 30 | **22** | Q | 70-130 | **109** | Q | 30 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 36 QC Batch ID: WG1124684-6 WG1124684-7 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| p-Ethyltoluene | ND | 199 | 140 | 70 | | 50 | **37** | Q | 70-130 | **94** | Q | 30 |
| 1,2,4,5-Tetramethylbenzene | ND | 199 | 100 | **50** | Q | 34 | **25** | Q | 70-130 | **98** | Q | 30 |
| Ethyl ether | ND | 199 | 190 | 98 | | 130 | 100 | | 67-130 | **37** | Q | 30 |
| trans-1,4-Dichloro-2-butene | ND | 199 | 170 | 84 | | 100 | 75 | | 70-130 | **49** | Q | 30 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 111 | | 106 | | 70-130 |
| 4-Bromofluorobenzene | 107 | | 108 | | 70-130 |
| Dibromofluoromethane | 95 | | 96 | | 70-130 |
| Toluene-d8 | 100 | | 99 | | 70-130 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab MW-B | Associated sample(s): 19-21 | | QC Batch ID: WG1124998-6 | | | WG1124998-7 | | | QC Sample: L1820814-20 | | | Client ID: |
| Methylene chloride | ND | 50 | 51 | 102 | | 54 | 108 | | 70-130 | 6 | | 20 |
| 1,1-Dichloroethane | 18 | 50 | 72 | 108 | | 74 | 112 | | 70-130 | 3 | | 20 |
| Chloroform | ND | 50 | 56 | 112 | | 59 | 118 | | 70-130 | 5 | | 20 |
| Carbon tetrachloride | ND | 50 | 53 | 106 | | 56 | 112 | | 63-132 | 6 | | 20 |
| 1,2-Dichloropropane | ND | 50 | 51 | 102 | | 54 | 108 | | 70-130 | 6 | | 20 |
| Dibromochloromethane | ND | 50 | 48 | 96 | | 51 | 102 | | 63-130 | 6 | | 20 |
| 1,1,2-Trichloroethane | ND | 50 | 46 | 92 | | 50 | 100 | | 70-130 | 8 | | 20 |
| Tetrachloroethene | 610 | 50 | 560 | **0** | Q | 580 | **0** | Q | 70-130 | 4 | | 20 |
| Chlorobenzene | ND | 50 | 45 | 90 | | 49 | 98 | | 75-130 | 9 | | 20 |
| Trichlorofluoromethane | ND | 50 | 69 | 138 | | 74 | 148 | | 62-150 | 7 | | 20 |
| 1,2-Dichloroethane | ND | 50 | 55 | 110 | | 59 | 118 | | 70-130 | 7 | | 20 |
| 1,1,1-Trichloroethane | 110 | 50 | 160 | 100 | | 160 | 100 | | 67-130 | 0 | | 20 |
| Bromodichloromethane | ND | 50 | 53 | 106 | | 57 | 114 | | 67-130 | 7 | | 20 |
| trans-1,3-Dichloropropene | ND | 50 | 47 | 94 | | 51 | 102 | | 70-130 | 8 | | 20 |
| cis-1,3-Dichloropropene | ND | 50 | 48 | 96 | | 51 | 102 | | 70-130 | 6 | | 20 |
| 1,1-Dichloropropene | ND | 50 | 52 | 104 | | 56 | 112 | | 70-130 | 7 | | 20 |
| Bromoform | ND | 50 | 36 | 72 | | 39 | 78 | | 54-136 | 8 | | 20 |
| 1,1,2,2-Tetrachloroethane | ND | 50 | 35 | 70 | | 37 | 74 | | 67-130 | 6 | | 20 |
| Benzene | ND | 50 | 50 | 100 | | 54 | 108 | | 70-130 | 8 | | 20 |
| Toluene | ND | 50 | 45 | 90 | | 48 | 96 | | 70-130 | 6 | | 20 |
| Ethylbenzene | ND | 50 | 45 | 90 | | 49 | 98 | | 70-130 | 9 | | 20 |
| Chloromethane | ND | 50 | 73 | **146** | Q | 78 | **156** | Q | 64-130 | 7 | | 20 |
| Bromomethane | ND | 50 | 76 | **152** | Q | 77 | **154** | Q | 39-139 | 1 | | 20 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-21 QC Batch ID: WG1124998-6 WG1124998-7 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |
| Vinyl chloride | 2.3J | 50 | 77 | **154** | Q | 82 | **164** | Q | 55-140 | 6 | | 20 |
| Chloroethane | ND | 50 | 72 | **144** | Q | 78 | **156** | Q | 55-138 | 8 | | 20 |
| 1,1-Dichloroethene | 7.2 | 50 | 64 | 114 | | 64 | 114 | | 61-145 | 0 | | 20 |
| trans-1,2-Dichloroethene | ND | 50 | 55 | 110 | | 58 | 116 | | 70-130 | 5 | | 20 |
| Trichloroethene | 160 | 50 | 190 | **60** | Q | 190 | **60** | Q | 70-130 | 0 | | 20 |
| 1,2-Dichlorobenzene | ND | 50 | 36 | 72 | | 39 | 78 | | 70-130 | 8 | | 20 |
| 1,3-Dichlorobenzene | ND | 50 | 36 | 72 | | 39 | 78 | | 70-130 | 8 | | 20 |
| 1,4-Dichlorobenzene | ND | 50 | 36 | 72 | | 39 | 78 | | 70-130 | 8 | | 20 |
| Methyl tert butyl ether | ND | 50 | 56 | 112 | | 58 | 116 | | 63-130 | 4 | | 20 |
| p/m-Xylene | ND | 100 | 90 | 90 | | 98 | 98 | | 70-130 | 9 | | 20 |
| o-Xylene | ND | 100 | 92 | 92 | | 98 | 98 | | 70-130 | 6 | | 20 |
| cis-1,2-Dichloroethene | 340 | 50 | 390 | 100 | | 390 | 100 | | 70-130 | 0 | | 20 |
| Dibromomethane | ND | 50 | 51 | 102 | | 53 | 106 | | 70-130 | 4 | | 20 |
| 1,2,3-Trichloropropane | ND | 50 | 36 | 72 | | 38 | 76 | | 64-130 | 5 | | 20 |
| Acrylonitrile | ND | 50 | 49 | 98 | | 51 | 102 | | 70-130 | 4 | | 20 |
| Styrene | ND | 100 | 94 | 94 | | 100 | 100 | | 70-130 | 6 | | 20 |
| Dichlorodifluoromethane | ND | 50 | 86 | **172** | Q | 94 | **188** | Q | 36-147 | 9 | | 20 |
| Acetone | ND | 50 | 50 | 100 | | 57 | 114 | | 58-148 | 13 | | 20 |
| Carbon disulfide | ND | 50 | 58 | 116 | | 61 | 122 | | 51-130 | 5 | | 20 |
| 2-Butanone | ND | 50 | 48 | 96 | | 51 | 102 | | 63-138 | 6 | | 20 |
| Vinyl acetate | ND | 50 | 48 | 96 | | 50 | 100 | | 70-130 | 4 | | 20 |
| 4-Methyl-2-pentanone | ND | 50 | 42 | 84 | | 45 | 90 | | 59-130 | 7 | | 20 |
| 2-Hexanone | ND | 50 | 41 | 82 | | 43 | 86 | | 57-130 | 5 | | 20 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab MW-B | Associated sample(s): 19-21 | | QC Batch ID: WG1124998-6 | | | WG1124998-7 | | QC Sample: L1820814-20 | | Client ID: | | |
| Bromochloromethane | ND | 50 | 51 | 102 | | 55 | 110 | | 70-130 | 8 | | 20 |
| 2,2-Dichloropropane | ND | 50 | 45 | 90 | | 48 | 96 | | 63-133 | 6 | | 20 |
| 1,2-Dibromoethane | ND | 50 | 47 | 94 | | 50 | 100 | | 70-130 | 6 | | 20 |
| 1,3-Dichloropropane | ND | 50 | 46 | 92 | | 49 | 98 | | 70-130 | 6 | | 20 |
| 1,1,1,2-Tetrachloroethane | ND | 50 | 48 | 96 | | 52 | 104 | | 64-130 | 8 | | 20 |
| Bromobenzene | ND | 50 | 37 | 74 | | 41 | 82 | | 70-130 | 10 | | 20 |
| n-Butylbenzene | ND | 50 | 33 | 66 | | 37 | 74 | | 53-136 | 11 | | 20 |
| sec-Butylbenzene | ND | 50 | 32 | **64** | Q | 36 | 72 | | 70-130 | 12 | | 20 |
| tert-Butylbenzene | ND | 50 | 31 | **62** | Q | 35 | 70 | | 70-130 | 12 | | 20 |
| o-Chlorotoluene | ND | 50 | 35 | 70 | | 38 | 76 | | 70-130 | 8 | | 20 |
| p-Chlorotoluene | ND | 50 | 36 | 72 | | 40 | 80 | | 70-130 | 11 | | 20 |
| 1,2-Dibromo-3-chloropropane | ND | 50 | 31 | 62 | | 34 | 68 | | 41-144 | 9 | | 20 |
| Hexachlorobutadiene | ND | 50 | 30 | **60** | Q | 34 | 68 | | 63-130 | 13 | | 20 |
| Isopropylbenzene | ND | 50 | 35 | 70 | | 39 | 78 | | 70-130 | 11 | | 20 |
| p-Isopropyltoluene | ND | 50 | 34 | **68** | Q | 38 | 76 | | 70-130 | 11 | | 20 |
| Naphthalene | ND | 50 | 34 | **68** | Q | 37 | 74 | | 70-130 | 8 | | 20 |
| n-Propylbenzene | ND | 50 | 34 | **68** | Q | 38 | 76 | | 69-130 | 11 | | 20 |
| 1,2,3-Trichlorobenzene | ND | 50 | 36 | 72 | | 39 | 78 | | 70-130 | 8 | | 20 |
| 1,2,4-Trichlorobenzene | ND | 50 | 36 | 72 | | 40 | 80 | | 70-130 | 11 | | 20 |
| 1,3,5-Trimethylbenzene | ND | 50 | 36 | 72 | | 39 | 78 | | 64-130 | 8 | | 20 |
| 1,2,4-Trimethylbenzene | ND | 50 | 36 | 72 | | 40 | 80 | | 70-130 | 11 | | 20 |
| 1,4-Dioxane | ND | 2500 | 2200 | 88 | | 2200 | 88 | | 56-162 | 0 | | 20 |
| p-Diethylbenzene | ND | 50 | 35 | 70 | | 39 | 78 | | 70-130 | 11 | | 20 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-21 QC Batch ID: WG1124998-6 WG1124998-7 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |
| p-Ethyltoluene | ND | 50 | 35 | 70 | | 38 | 76 | | 70-130 | 8 | | 20 |
| 1,2,4,5-Tetramethylbenzene | ND | 50 | 37 | 74 | | 41 | 82 | | 70-130 | 10 | | 20 |
| Ethyl ether | ND | 50 | 54 | 108 | | 55 | 110 | | 59-134 | 2 | | 20 |
| trans-1,4-Dichloro-2-butene | ND | 50 | 29 | **58** | Q | 30 | **60** | Q | 70-130 | 3 | | 20 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | | 104 | | 70-130 |
| 4-Bromofluorobenzene | 91 | | 92 | | 70-130 |
| Dibromofluoromethane | 102 | | 101 | | 70-130 |
| Toluene-d8 | 97 | | 97 | | 70-130 |

# SEMIVOLATILES



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01 D2
Client ID: SB-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/18 03:24
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Fluoranthene | 190000 | | ug/kg | 10000 | 2000 | 100 |
| Naphthalene | 80000 | | ug/kg | 18000 | 2100 | 100 |
| Phenanthrene | 290000 | | ug/kg | 10000 | 2100 | 100 |
| Pyrene | 150000 | | ug/kg | 10000 | 1800 | 100 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01 D
Client ID: SB-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/18 02:59
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 41000 | | ug/kg | 1400 | 180 | 10 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1800 | 200 | 10 |
| Hexachlorobenzene | ND | | ug/kg | 1000 | 200 | 10 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 1600 | 240 | 10 |
| 2-Chloronaphthalene | ND | | ug/kg | 1800 | 170 | 10 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1800 | 320 | 10 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1800 | 300 | 10 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1800 | 310 | 10 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 1800 | 470 | 10 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 1800 | 350 | 10 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 1800 | 300 | 10 |
| Fluoranthene | 160000 | E | ug/kg | 1000 | 200 | 10 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 1800 | 190 | 10 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 1800 | 270 | 10 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 2100 | 300 | 10 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 1900 | 180 | 10 |
| Hexachlorobutadiene | ND | | ug/kg | 1800 | 260 | 10 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 5000 | 1600 | 10 |
| Hexachloroethane | ND | | ug/kg | 1400 | 280 | 10 |
| Isophorone | ND | | ug/kg | 1600 | 230 | 10 |
| Naphthalene | 78000 | E | ug/kg | 1800 | 210 | 10 |
| Nitrobenzene | ND | | ug/kg | 1600 | 260 | 10 |
| NDPA/DPA | ND | | ug/kg | 1400 | 200 | 10 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 1800 | 270 | 10 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 1800 | 610 | 10 |
| Butyl benzyl phthalate | ND | | ug/kg | 1800 | 440 | 10 |
| Di-n-butylphthalate | ND | | ug/kg | 1800 | 330 | 10 |
| Di-n-octylphthalate | ND | | ug/kg | 1800 | 600 | 10 |



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**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01 D Date Collected: 06/04/18 13:45
Client ID: SB-1A Date Received: 06/05/18
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 1800 | 160 | 10 |
| Dimethyl phthalate | ND | | ug/kg | 1800 | 370 | 10 |
| Benzo(a)anthracene | 70000 | | ug/kg | 1000 | 200 | 10 |
| Benzo(a)pyrene | 53000 | | ug/kg | 1400 | 430 | 10 |
| Benzo(b)fluoranthene | 64000 | | ug/kg | 1000 | 300 | 10 |
| Benzo(k)fluoranthene | 24000 | | ug/kg | 1000 | 280 | 10 |
| Chrysene | 63000 | | ug/kg | 1000 | 180 | 10 |
| Acenaphthylene | 1400 | | ug/kg | 1400 | 270 | 10 |
| Anthracene | 70000 | | ug/kg | 1000 | 340 | 10 |
| Benzo(ghi)perylene | 28000 | | ug/kg | 1400 | 210 | 10 |
| Fluorene | 27000 | | ug/kg | 1800 | 170 | 10 |
| Phenanthrene | 220000 | E | ug/kg | 1000 | 210 | 10 |
| Dibenzo(a,h)anthracene | 7700 | | ug/kg | 1000 | 200 | 10 |
| Indeno(1,2,3-cd)pyrene | 32000 | | ug/kg | 1400 | 240 | 10 |
| Pyrene | 140000 | E | ug/kg | 1000 | 180 | 10 |
| Biphenyl | 7900 | | ug/kg | 4000 | 410 | 10 |
| 4-Chloroaniline | ND | | ug/kg | 1800 | 320 | 10 |
| 2-Nitroaniline | ND | | ug/kg | 1800 | 340 | 10 |
| 3-Nitroaniline | ND | | ug/kg | 1800 | 330 | 10 |
| 4-Nitroaniline | ND | | ug/kg | 1800 | 730 | 10 |
| Dibenzofuran | 44000 | | ug/kg | 1800 | 170 | 10 |
| 2-Methylnaphthalene | 31000 | | ug/kg | 2100 | 210 | 10 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 1800 | 180 | 10 |
| Acetophenone | ND | | ug/kg | 1800 | 220 | 10 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 1000 | 330 | 10 |
| p-Chloro-m-cresol | ND | | ug/kg | 1800 | 260 | 10 |
| 2-Chlorophenol | ND | | ug/kg | 1800 | 210 | 10 |
| 2,4-Dichlorophenol | ND | | ug/kg | 1600 | 280 | 10 |
| 2,4-Dimethylphenol | ND | | ug/kg | 1800 | 580 | 10 |
| 2-Nitrophenol | ND | | ug/kg | 3800 | 660 | 10 |
| 4-Nitrophenol | ND | | ug/kg | 2500 | 720 | 10 |
| 2,4-Dinitrophenol | ND | | ug/kg | 8500 | 820 | 10 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 4600 | 850 | 10 |
| Pentachlorophenol | ND | | ug/kg | 1400 | 390 | 10 |
| Phenol | 530 | J | ug/kg | 1800 | 270 | 10 |
| 2-Methylphenol | 340 | J | ug/kg | 1800 | 270 | 10 |
| 3-Methylphenol/4-Methylphenol | 1200 | J | ug/kg | 2500 | 280 | 10 |



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**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01 D
Client ID: SB-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 1800 | 340 | 10 |
| Benzoic Acid | ND | | ug/kg | 5700 | 1800 | 10 |
| Benzyl Alcohol | ND | | ug/kg | 1800 | 540 | 10 |
| Carbazole | 27000 | | ug/kg | 1800 | 170 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 64 | | 25-120 |
| Phenol-d6 | 69 | | 10-120 |
| Nitrobenzene-d5 | 76 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 30-120 |
| 2,4,6-Tribromophenol | 49 | | 10-136 |
| 4-Terphenyl-d14 | 93 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02
Client ID: SB-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 15:05
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/09/18 21:08
Analyst: HL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 140 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 21. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 25. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 33. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 48. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 36. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 31. | 1 |
| Fluoranthene | 280 | | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 19. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 31. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 27. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 520 | 160 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 29. | 1 |
| Isophorone | ND | | ug/kg | 160 | 24. | 1 |
| Naphthalene | 26 | J | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 27. | 1 |
| NDPA/DPA | ND | | ug/kg | 140 | 21. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 180 | 63. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 34. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 62. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02 Date Collected: 06/05/18 15:05

Client ID: SB-2A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | 140 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 120 | J | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 160 | | ug/kg | 110 | 31. | 1 |
| Benzo(k)fluoranthene | 56 | J | ug/kg | 110 | 29. | 1 |
| Chrysene | 120 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 40 | J | ug/kg | 140 | 28. | 1 |
| Anthracene | 41 | J | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 68 | J | ug/kg | 140 | 21. | 1 |
| Fluorene | ND | | ug/kg | 180 | 18. | 1 |
| Phenanthrene | 200 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 79 | J | ug/kg | 140 | 25. | 1 |
| Pyrene | 240 | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 75. | 1 |
| Dibenzofuran | 18 | J | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 60. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 68. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 74. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 870 | 85. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 87. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02 Date Collected: 06/05/18 15:05

Client ID: SB-2A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 35. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | ND | | ug/kg | 180 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 83 | | 25-120 |
| Phenol-d6 | 88 | | 10-120 |
| Nitrobenzene-d5 | 85 | | 23-120 |
| 2-Fluorobiphenyl | 87 | | 30-120 |
| 2,4,6-Tribromophenol | 92 | | 10-136 |
| 4-Terphenyl-d14 | 89 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03
Client ID: SB-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 03:47
Analyst: HL
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 2700 | | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 51. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 33. | 1 |
| Fluoranthene | 15000 | E | ug/kg | 110 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 33. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 550 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 25. | 1 |
| Naphthalene | 1500 | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 30. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 66. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 65. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03 Date Collected: 06/05/18 10:55

Client ID: SB-3A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 18. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Benzo(a)anthracene | 8000 | E | ug/kg | 110 | 22. | 1 |
| Benzo(a)pyrene | 7300 | | ug/kg | 150 | 47. | 1 |
| Benzo(b)fluoranthene | 9300 | E | ug/kg | 110 | 32. | 1 |
| Benzo(k)fluoranthene | 2800 | | ug/kg | 110 | 31. | 1 |
| Chrysene | 7800 | E | ug/kg | 110 | 20. | 1 |
| Acenaphthylene | 740 | | ug/kg | 150 | 30. | 1 |
| Anthracene | 4800 | | ug/kg | 110 | 37. | 1 |
| Benzo(ghi)perylene | 3800 | | ug/kg | 150 | 22. | 1 |
| Fluorene | 2400 | | ug/kg | 190 | 18. | 1 |
| Phenanthrene | 15000 | E | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | 1200 | | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 4600 | | ug/kg | 150 | 27. | 1 |
| Pyrene | 13000 | E | ug/kg | 110 | 19. | 1 |
| Biphenyl | 320 | J | ug/kg | 440 | 44. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 35. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 37. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 79. | 1 |
| Dibenzofuran | 2400 | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | 900 | | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 24. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 23. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 31. | 1 |
| 2,4-Dimethylphenol | 79 | J | ug/kg | 190 | 63. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 72. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 78. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 920 | 89. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 500 | 92. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| Phenol | 82 | J | ug/kg | 190 | 29. | 1 |
| 2-Methylphenol | 42 | J | ug/kg | 190 | 30. | 1 |
| 3-Methylphenol/4-Methylphenol | 140 | J | ug/kg | 280 | 30. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03
Client ID: SB-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 10:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 37. | 1 |
| Benzoic Acid | ND | | ug/kg | 620 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | 2800 | | ug/kg | 190 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 79 | | 25-120 |
| Phenol-d6 | 83 | | 10-120 |
| Nitrobenzene-d5 | 87 | | 23-120 |
| 2-Fluorobiphenyl | 86 | | 30-120 |
| 2,4,6-Tribromophenol | 106 | | 10-136 |
| 4-Terphenyl-d14 | 85 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03 D
Client ID: SB-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/18 00:42
Analyst: PS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Fluoranthene | 22000 | | ug/kg | 570 | 110 | 5 |
| Benzo(a)anthracene | 9100 | | ug/kg | 570 | 110 | 5 |
| Benzo(b)fluoranthene | 10000 | | ug/kg | 570 | 160 | 5 |
| Chrysene | 8500 | | ug/kg | 570 | 99. | 5 |
| Phenanthrene | 23000 | | ug/kg | 570 | 120 | 5 |
| Pyrene | 18000 | | ug/kg | 570 | 95. | 5 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04
Client ID: SB-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/09/18 21:35
Analyst: HL
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 160 | 21. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 200 | 24. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 23. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 28. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 200 | 20. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 200 | 37. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 200 | 36. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 200 | 55. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 41. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 35. | 1 |
| Fluoranthene | 49 | J | ug/kg | 120 | 24. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 22. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 250 | 35. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 220 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 30. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 590 | 190 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 33. | 1 |
| Isophorone | ND | | ug/kg | 180 | 27. | 1 |
| Naphthalene | ND | | ug/kg | 200 | 25. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 30. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 23. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 32. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 200 | 71. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 200 | 52. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 39. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 70. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04 Date Collected: 06/04/18 09:45

Client ID: SB-4A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 200 | 19. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 200 | 43. | 1 |
| Benzo(a)anthracene | 38 | J | ug/kg | 120 | 23. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 160 | 50. | 1 |
| Benzo(b)fluoranthene | 41 | J | ug/kg | 120 | 35. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 120 | 33. | 1 |
| Chrysene | 29 | J | ug/kg | 120 | 21. | 1 |
| Acenaphthylene | ND | | ug/kg | 160 | 32. | 1 |
| Anthracene | ND | | ug/kg | 120 | 40. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 160 | 24. | 1 |
| Fluorene | ND | | ug/kg | 200 | 20. | 1 |
| Phenanthrene | ND | | ug/kg | 120 | 25. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 120 | 24. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 160 | 29. | 1 |
| Pyrene | 43 | J | ug/kg | 120 | 20. | 1 |
| Biphenyl | ND | | ug/kg | 470 | 48. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 37. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 40. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 39. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 85. | 1 |
| Dibenzofuran | ND | | ug/kg | 200 | 19. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 250 | 25. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 200 | 21. | 1 |
| Acetophenone | ND | | ug/kg | 200 | 25. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 39. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 200 | 31. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 200 | 24. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 180 | 33. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 200 | 68. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 440 | 77. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 290 | 84. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 990 | 96. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 530 | 99. | 1 |
| Pentachlorophenol | ND | | ug/kg | 160 | 45. | 1 |
| Phenol | ND | | ug/kg | 200 | 31. | 1 |
| 2-Methylphenol | ND | | ug/kg | 200 | 32. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 300 | 32. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04 Date Collected: 06/04/18 09:45

Client ID: SB-4A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 200 | 39. | 1 |
| Benzoic Acid | ND | | ug/kg | 660 | 210 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 63. | 1 |
| Carbazole | ND | | ug/kg | 200 | 20. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 84 | | 25-120 |
| Phenol-d6 | 90 | | 10-120 |
| Nitrobenzene-d5 | 83 | | 23-120 |
| 2-Fluorobiphenyl | 87 | | 30-120 |
| 2,4,6-Tribromophenol | 98 | | 10-136 |
| 4-Terphenyl-d14 | 92 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 D2
Client ID: SB-5A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/18 01:06
Analyst: PS
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Fluoranthene | 720000 | | ug/kg | 31000 | 6000 | 250 |
| Phenanthrene | 800000 | | ug/kg | 31000 | 6400 | 250 |
| Pyrene | 590000 | | ug/kg | 31000 | 5200 | 250 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 D
Client ID: SB-5A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 04:14
Analyst: HL
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 84000 | | ug/kg | 8400 | 1100 | 50 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 10000 | 1200 | 50 |
| Hexachlorobenzene | ND | | ug/kg | 6300 | 1200 | 50 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 9400 | 1400 | 50 |
| 2-Chloronaphthalene | ND | | ug/kg | 10000 | 1000 | 50 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 10000 | 1900 | 50 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 10000 | 1800 | 50 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 10000 | 1800 | 50 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 10000 | 2800 | 50 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 10000 | 2100 | 50 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 10000 | 1800 | 50 |
| Fluoranthene | 510000 | E | ug/kg | 6300 | 1200 | 50 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 10000 | 1100 | 50 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 10000 | 1600 | 50 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 12000 | 1800 | 50 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 11000 | 1000 | 50 |
| Hexachlorobutadiene | ND | | ug/kg | 10000 | 1500 | 50 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 30000 | 9500 | 50 |
| Hexachloroethane | ND | | ug/kg | 8400 | 1700 | 50 |
| Isophorone | ND | | ug/kg | 9400 | 1400 | 50 |
| Naphthalene | 300000 | | ug/kg | 10000 | 1300 | 50 |
| Nitrobenzene | ND | | ug/kg | 9400 | 1500 | 50 |
| NDPA/DPA | ND | | ug/kg | 8400 | 1200 | 50 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 10000 | 1600 | 50 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 10000 | 3600 | 50 |
| Butyl benzyl phthalate | ND | | ug/kg | 10000 | 2600 | 50 |
| Di-n-butylphthalate | ND | | ug/kg | 10000 | 2000 | 50 |
| Di-n-octylphthalate | ND | | ug/kg | 10000 | 3600 | 50 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 D Date Collected: 06/05/18 11:40
Client ID: SB-5A Date Received: 06/05/18
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 10000 | 970 | 50 |
| Dimethyl phthalate | ND | | ug/kg | 10000 | 2200 | 50 |
| Benzo(a)anthracene | 260000 | | ug/kg | 6300 | 1200 | 50 |
| Benzo(a)pyrene | 230000 | | ug/kg | 8400 | 2600 | 50 |
| Benzo(b)fluoranthene | 280000 | | ug/kg | 6300 | 1800 | 50 |
| Benzo(k)fluoranthene | 100000 | | ug/kg | 6300 | 1700 | 50 |
| Chrysene | 240000 | | ug/kg | 6300 | 1100 | 50 |
| Acenaphthylene | 130000 | | ug/kg | 8400 | 1600 | 50 |
| Anthracene | 160000 | | ug/kg | 6300 | 2000 | 50 |
| Benzo(ghi)perylene | 120000 | | ug/kg | 8400 | 1200 | 50 |
| Fluorene | 160000 | | ug/kg | 10000 | 1000 | 50 |
| Phenanthrene | 540000 | E | ug/kg | 6300 | 1300 | 50 |
| Dibenzo(a,h)anthracene | 37000 | | ug/kg | 6300 | 1200 | 50 |
| Indeno(1,2,3-cd)pyrene | 140000 | | ug/kg | 8400 | 1400 | 50 |
| Pyrene | 450000 | E | ug/kg | 6300 | 1000 | 50 |
| Biphenyl | 22000 | J | ug/kg | 24000 | 2400 | 50 |
| 4-Chloroaniline | ND | | ug/kg | 10000 | 1900 | 50 |
| 2-Nitroaniline | ND | | ug/kg | 10000 | 2000 | 50 |
| 3-Nitroaniline | ND | | ug/kg | 10000 | 2000 | 50 |
| 4-Nitroaniline | ND | | ug/kg | 10000 | 4300 | 50 |
| Dibenzofuran | 100000 | | ug/kg | 10000 | 990 | 50 |
| 2-Methylnaphthalene | 89000 | | ug/kg | 12000 | 1300 | 50 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 10000 | 1100 | 50 |
| Acetophenone | ND | | ug/kg | 10000 | 1300 | 50 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 6300 | 2000 | 50 |
| p-Chloro-m-cresol | ND | | ug/kg | 10000 | 1600 | 50 |
| 2-Chlorophenol | ND | | ug/kg | 10000 | 1200 | 50 |
| 2,4-Dichlorophenol | ND | | ug/kg | 9400 | 1700 | 50 |
| 2,4-Dimethylphenol | 18000 | | ug/kg | 10000 | 3400 | 50 |
| 2-Nitrophenol | ND | | ug/kg | 22000 | 3900 | 50 |
| 4-Nitrophenol | ND | | ug/kg | 15000 | 4300 | 50 |
| 2,4-Dinitrophenol | ND | | ug/kg | 50000 | 4900 | 50 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 27000 | 5000 | 50 |
| Pentachlorophenol | ND | | ug/kg | 8400 | 2300 | 50 |
| Phenol | 31000 | | ug/kg | 10000 | 1600 | 50 |
| 2-Methylphenol | 16000 | | ug/kg | 10000 | 1600 | 50 |
| 3-Methylphenol/4-Methylphenol | 44000 | | ug/kg | 15000 | 1600 | 50 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 D
Client ID: SB-5A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 10000 | 2000 | 50 |
| Benzoic Acid | ND | | ug/kg | 34000 | 10000 | 50 |
| Benzyl Alcohol | ND | | ug/kg | 10000 | 3200 | 50 |
| Carbazole | 91000 | | ug/kg | 10000 | 1000 | 50 |

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



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06
Client ID: SB-6A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 14:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/09/18 22:02
Analyst: HL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

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



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06 Date Collected: 06/05/18 14:00

Client ID: SB-6A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | 22 | J | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 30 | J | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 29. | 1 |
| Chrysene | 19 | J | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | ND | | ug/kg | 140 | 28. | 1 |
| Anthracene | ND | | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 72 | J | ug/kg | 140 | 21. | 1 |
| Fluorene | ND | | ug/kg | 180 | 17. | 1 |
| Phenanthrene | 32 | J | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 34 | J | ug/kg | 140 | 25. | 1 |
| Pyrene | 34 | J | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 74. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 21. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 59. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 67. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 73. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 860 | 84. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 86. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 39. | 1 |
| Phenol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06 Date Collected: 06/05/18 14:00

Client ID: SB-6A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 34. | 1 |
| Benzoic Acid | ND | | ug/kg | 580 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 55. | 1 |
| Carbazole | ND | | ug/kg | 180 | 17. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 85 | | 25-120 |
| Phenol-d6 | 88 | | 10-120 |
| Nitrobenzene-d5 | 87 | | 23-120 |
| 2-Fluorobiphenyl | 84 | | 30-120 |
| 2,4,6-Tribromophenol | 100 | | 10-136 |
| 4-Terphenyl-d14 | 85 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07
Client ID: SB-7A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 12:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/09/18 22:29
Analyst: HL
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 32. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 32. | 1 |
| Fluoranthene | ND | | ug/kg | 110 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 32. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 24. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 66. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 64. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07 Date Collected: 06/04/18 12:10

Client ID: SB-7A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 18. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 110 | 32. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 30. | 1 |
| Chrysene | ND | | ug/kg | 110 | 20. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 29. | 1 |
| Anthracene | ND | | ug/kg | 110 | 37. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 150 | 22. | 1 |
| Fluorene | ND | | ug/kg | 190 | 18. | 1 |
| Phenanthrene | ND | | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 150 | 26. | 1 |
| Pyrene | ND | | ug/kg | 110 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 44. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 34. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 78. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 23. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 30. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 62. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 71. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 77. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 910 | 88. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 91. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| Phenol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 29. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 30. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07 Date Collected: 06/04/18 12:10

Client ID: SB-7A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 36. | 1 |
| Benzoic Acid | ND | | ug/kg | 610 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | ND | | ug/kg | 190 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 82 | | 25-120 |
| Phenol-d6 | 84 | | 10-120 |
| Nitrobenzene-d5 | 83 | | 23-120 |
| 2-Fluorobiphenyl | 82 | | 30-120 |
| 2,4,6-Tribromophenol | 92 | | 10-136 |
| 4-Terphenyl-d14 | 87 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08
Client ID: SB-8A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:25
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/09/18 22:55
Analyst: HL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 140 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 21. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 24. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 48. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 36. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 31. | 1 |
| Fluoranthene | ND | | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 19. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 31. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 26. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 520 | 160 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 29. | 1 |
| Isophorone | ND | | ug/kg | 160 | 24. | 1 |
| Naphthalene | ND | | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 27. | 1 |
| NDPA/DPA | ND | | ug/kg | 140 | 21. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 180 | 63. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 34. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 62. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08 Date Collected: 06/05/18 12:25

Client ID: SB-8A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 29. | 1 |
| Chrysene | ND | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | ND | | ug/kg | 140 | 28. | 1 |
| Anthracene | ND | | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 140 | 21. | 1 |
| Fluorene | ND | | ug/kg | 180 | 18. | 1 |
| Phenanthrene | ND | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 140 | 25. | 1 |
| Pyrene | ND | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 75. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 21. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 60. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 68. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 74. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 870 | 84. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 87. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08 Date Collected: 06/05/18 12:25

Client ID: SB-8A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 35. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 55. | 1 |
| Carbazole | ND | | ug/kg | 180 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 61 | | 25-120 |
| Phenol-d6 | 64 | | 10-120 |
| Nitrobenzene-d5 | 61 | | 23-120 |
| 2-Fluorobiphenyl | 61 | | 30-120 |
| 2,4,6-Tribromophenol | 85 | | 10-136 |
| 4-Terphenyl-d14 | 81 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09
Client ID: SB-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/09/18 23:22
Analyst: HL
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 100 | J | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 32. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 32. | 1 |
| Fluoranthene | 500 | | ug/kg | 110 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 32. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 30. | 1 |
| Isophorone | ND | | ug/kg | 170 | 24. | 1 |
| Naphthalene | 190 | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 21. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 65. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 64. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09 Date Collected: 06/04/18 13:50

Client ID: SB-1B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Benzo(a)anthracene | 190 | | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | 160 | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 200 | | ug/kg | 110 | 32. | 1 |
| Benzo(k)fluoranthene | 72 | J | ug/kg | 110 | 30. | 1 |
| Chrysene | 170 | | ug/kg | 110 | 20. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 29. | 1 |
| Anthracene | 160 | | ug/kg | 110 | 37. | 1 |
| Benzo(ghi)perylene | 86 | J | ug/kg | 150 | 22. | 1 |
| Fluorene | 61 | J | ug/kg | 190 | 18. | 1 |
| Phenanthrene | 710 | | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | 25 | J | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 95 | J | ug/kg | 150 | 26. | 1 |
| Pyrene | 410 | | ug/kg | 110 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 44. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 34. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 78. | 1 |
| Dibenzofuran | 120 | J | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | 77 | J | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 23. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 30. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 62. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 71. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 77. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 910 | 88. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 91. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| Phenol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 29. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 30. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09
Client ID: SB-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 36. | 1 |
| Benzoic Acid | ND | | ug/kg | 610 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | 73 | J | ug/kg | 190 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 78 | | 25-120 |
| Phenol-d6 | 80 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 23-120 |
| 2-Fluorobiphenyl | 78 | | 30-120 |
| 2,4,6-Tribromophenol | 98 | | 10-136 |
| 4-Terphenyl-d14 | 89 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10
Client ID: SB-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 15:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/09/18 23:48
Analyst: HL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

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



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10 Date Collected: 06/05/18 15:15

Client ID: SB-2B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 29. | 1 |
| Chrysene | ND | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | ND | | ug/kg | 140 | 28. | 1 |
| Anthracene | ND | | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 140 | 21. | 1 |
| Fluorene | ND | | ug/kg | 180 | 17. | 1 |
| Phenanthrene | ND | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 140 | 25. | 1 |
| Pyrene | ND | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 74. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 21. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 59. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 68. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 73. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 860 | 84. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 86. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10 Date Collected: 06/05/18 15:15

Client ID: SB-2B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 34. | 1 |
| Benzoic Acid | ND | | ug/kg | 580 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 55. | 1 |
| Carbazole | ND | | ug/kg | 180 | 17. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 89 | | 25-120 |
| Phenol-d6 | 92 | | 10-120 |
| Nitrobenzene-d5 | 91 | | 23-120 |
| 2-Fluorobiphenyl | 92 | | 30-120 |
| 2,4,6-Tribromophenol | 100 | | 10-136 |
| 4-Terphenyl-d14 | 90 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11
Client ID: SB-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 00:15
Analyst: HL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

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



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11 Date Collected: 06/05/18 11:10

Client ID: SB-3B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 29. | 1 |
| Chrysene | ND | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | ND | | ug/kg | 140 | 28. | 1 |
| Anthracene | ND | | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 140 | 21. | 1 |
| Fluorene | ND | | ug/kg | 180 | 17. | 1 |
| Phenanthrene | ND | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 140 | 25. | 1 |
| Pyrene | ND | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 74. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 21. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 59. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 68. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 73. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 860 | 84. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 86. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11 Date Collected: 06/05/18 11:10

Client ID: SB-3B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 34. | 1 |
| Benzoic Acid | ND | | ug/kg | 580 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 55. | 1 |
| Carbazole | ND | | ug/kg | 180 | 17. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 85 | | 25-120 |
| Phenol-d6 | 91 | | 10-120 |
| Nitrobenzene-d5 | 96 | | 23-120 |
| 2-Fluorobiphenyl | 91 | | 30-120 |
| 2,4,6-Tribromophenol | 100 | | 10-136 |
| 4-Terphenyl-d14 | 91 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12
Client ID: SB-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 00:41
Analyst: HL
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 21. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 25. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 32. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 32. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 37. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 32. | 1 |
| Fluoranthene | ND | | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 28. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 32. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 27. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 530 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 30. | 1 |
| Isophorone | ND | | ug/kg | 170 | 24. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 21. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 64. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 47. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 35. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 63. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12 Date Collected: 06/04/18 10:10

Client ID: SB-4B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 39. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 150 | 45. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 110 | 31. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 30. | 1 |
| Chrysene | ND | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 29. | 1 |
| Anthracene | ND | | ug/kg | 110 | 36. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 150 | 22. | 1 |
| Fluorene | ND | | ug/kg | 190 | 18. | 1 |
| Phenanthrene | ND | | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 150 | 26. | 1 |
| Pyrene | ND | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 420 | 43. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 34. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 35. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 77. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 23. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 30. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 61. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 70. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 76. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 890 | 87. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 480 | 89. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 41. | 1 |
| Phenol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 29. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 29. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12 Date Collected: 06/04/18 10:10

Client ID: SB-4B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 36. | 1 |
| Benzoic Acid | ND | | ug/kg | 600 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 57. | 1 |
| Carbazole | ND | | ug/kg | 190 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 92 | | 25-120 |
| Phenol-d6 | 98 | | 10-120 |
| Nitrobenzene-d5 | 93 | | 23-120 |
| 2-Fluorobiphenyl | 94 | | 30-120 |
| 2,4,6-Tribromophenol | 102 | | 10-136 |
| 4-Terphenyl-d14 | 93 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13
Client ID: SB-5B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 04:41
Analyst: HL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 160 | | ug/kg | 140 | 18. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 20. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 24. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 48. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 36. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 31. | 1 |
| Fluoranthene | 1400 | | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 19. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 27. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 31. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 190 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 26. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 510 | 160 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 29. | 1 |
| Isophorone | ND | | ug/kg | 160 | 23. | 1 |
| Naphthalene | 630 | | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 26. | 1 |
| NDPA/DPA | ND | | ug/kg | 140 | 20. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 180 | 62. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 45. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 34. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 61. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13 Date Collected: 06/05/18 11:50

Client ID: SB-5B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | 620 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 560 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 680 | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | 210 | | ug/kg | 110 | 29. | 1 |
| Chrysene | 580 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 240 | | ug/kg | 140 | 28. | 1 |
| Anthracene | 380 | | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 310 | | ug/kg | 140 | 21. | 1 |
| Fluorene | 320 | | ug/kg | 180 | 17. | 1 |
| Phenanthrene | 1600 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 92 | J | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 350 | | ug/kg | 140 | 25. | 1 |
| Pyrene | 1200 | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 74. | 1 |
| Dibenzofuran | 210 | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | 170 | J | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 21. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 59. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 67. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 73. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 860 | 84. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 86. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 39. | 1 |
| Phenol | 59 | J | ug/kg | 180 | 27. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | 71 | J | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13
Client ID: SB-5B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 34. | 1 |
| Benzoic Acid | ND | | ug/kg | 580 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 55. | 1 |
| Carbazole | 200 | | ug/kg | 180 | 17. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 91 | | 25-120 |
| Phenol-d6 | 99 | | 10-120 |
| Nitrobenzene-d5 | 85 | | 23-120 |
| 2-Fluorobiphenyl | 92 | | 30-120 |
| 2,4,6-Tribromophenol | 103 | | 10-136 |
| 4-Terphenyl-d14 | 89 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14
Client ID: SB-6B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 14:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 01:07
Analyst: HL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 21. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 25. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 33. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 49. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 36. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 31. | 1 |
| Fluoranthene | ND | | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 31. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 27. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 520 | 160 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 30. | 1 |
| Isophorone | ND | | ug/kg | 160 | 24. | 1 |
| Naphthalene | ND | | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 27. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 21. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 180 | 63. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 35. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 62. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14 Date Collected: 06/05/18 14:10

Client ID: SB-6B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 150 | 45. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 110 | 31. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 29. | 1 |
| Chrysene | ND | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 28. | 1 |
| Anthracene | ND | | ug/kg | 110 | 36. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 150 | 22. | 1 |
| Fluorene | ND | | ug/kg | 180 | 18. | 1 |
| Phenanthrene | ND | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 150 | 25. | 1 |
| Pyrene | ND | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 420 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 76. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 23. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 60. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 69. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 75. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 880 | 85. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 480 | 88. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 28. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 29. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14 Date Collected: 06/05/18 14:10

Client ID: SB-6B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 35. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | ND | | ug/kg | 180 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 94 | | 25-120 |
| Phenol-d6 | 97 | | 10-120 |
| Nitrobenzene-d5 | 97 | | 23-120 |
| 2-Fluorobiphenyl | 95 | | 30-120 |
| 2,4,6-Tribromophenol | 103 | | 10-136 |
| 4-Terphenyl-d14 | 91 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15
Client ID: SB-7B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 12:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 01:33
Analyst: HL
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 160 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 22. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 35. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 52. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 39. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 33. | 1 |
| Fluoranthene | ND | | ug/kg | 120 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 21. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 30. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 33. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 560 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 32. | 1 |
| Isophorone | ND | | ug/kg | 180 | 25. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 24. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 29. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 30. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 67. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 49. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 37. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 66. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15 Date Collected: 06/04/18 12:15

Client ID: SB-7B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 18. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 41. | 1 |
| Benzo(a)anthracene | 22 | J | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | 57 | J | ug/kg | 160 | 48. | 1 |
| Benzo(b)fluoranthene | 61 | J | ug/kg | 120 | 33. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 120 | 31. | 1 |
| Chrysene | 25 | J | ug/kg | 120 | 20. | 1 |
| Acenaphthylene | ND | | ug/kg | 160 | 30. | 1 |
| Anthracene | ND | | ug/kg | 120 | 38. | 1 |
| Benzo(ghi)perylene | 90 | J | ug/kg | 160 | 23. | 1 |
| Fluorene | ND | | ug/kg | 190 | 19. | 1 |
| Phenanthrene | ND | | ug/kg | 120 | 24. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 120 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 79 | J | ug/kg | 160 | 27. | 1 |
| Pyrene | ND | | ug/kg | 120 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 440 | 45. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 35. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 38. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 37. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 81. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 24. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 24. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 37. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 29. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 23. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 180 | 31. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 64. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 420 | 73. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 79. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 930 | 91. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 510 | 93. | 1 |
| Pentachlorophenol | ND | | ug/kg | 160 | 43. | 1 |
| Phenol | ND | | ug/kg | 190 | 29. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 30. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 280 | 30. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15 Date Collected: 06/04/18 12:15

Client ID: SB-7B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 37. | 1 |
| Benzoic Acid | ND | | ug/kg | 630 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 60. | 1 |
| Carbazole | ND | | ug/kg | 190 | 19. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 90 | | 25-120 |
| Phenol-d6 | 93 | | 10-120 |
| Nitrobenzene-d5 | 91 | | 23-120 |
| 2-Fluorobiphenyl | 91 | | 30-120 |
| 2,4,6-Tribromophenol | 97 | | 10-136 |
| 4-Terphenyl-d14 | 91 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16
Client ID: SB-8B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 02:00
Analyst: HL
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

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



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16 Date Collected: 06/05/18 12:30

Client ID: SB-8B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 110 | 31. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 29. | 1 |
| Chrysene | ND | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | ND | | ug/kg | 140 | 28. | 1 |
| Anthracene | ND | | ug/kg | 110 | 36. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 140 | 21. | 1 |
| Fluorene | ND | | ug/kg | 180 | 18. | 1 |
| Phenanthrene | 22 | J | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 140 | 25. | 1 |
| Pyrene | ND | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 420 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 75. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 60. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 68. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 74. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 870 | 85. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 87. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 28. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16 Date Collected: 06/05/18 12:30

Client ID: SB-8B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 35. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | ND | | ug/kg | 180 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 92 | | 25-120 |
| Phenol-d6 | 95 | | 10-120 |
| Nitrobenzene-d5 | 91 | | 23-120 |
| 2-Fluorobiphenyl | 93 | | 30-120 |
| 2,4,6-Tribromophenol | 107 | | 10-136 |
| 4-Terphenyl-d14 | 91 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17
Client ID: DUP-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 07:33
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 05:07
Analyst: HL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 50 | J | ug/kg | 140 | 18. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 20. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 100 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 24. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 17. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 30. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 47. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 35. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 30. | 1 |
| Fluoranthene | 3500 | | ug/kg | 100 | 20. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 19. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 27. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 210 | 30. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 190 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 26. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 500 | 160 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 28. | 1 |
| Isophorone | ND | | ug/kg | 160 | 23. | 1 |
| Naphthalene | 93 | J | ug/kg | 180 | 21. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 26. | 1 |
| NDPA/DPA | ND | | ug/kg | 140 | 20. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 27. | 1 |
| Bis(2-ethylhexyl)phthalate | 430 | | ug/kg | 180 | 61. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 44. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 33. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 60. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17 Date Collected: 06/04/18 07:33

Client ID: DUP-1 Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 16. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 37. | 1 |
| Benzo(a)anthracene | 2700 | | ug/kg | 100 | 20. | 1 |
| Benzo(a)pyrene | 2700 | | ug/kg | 140 | 43. | 1 |
| Benzo(b)fluoranthene | 4800 | | ug/kg | 100 | 30. | 1 |
| Benzo(k)fluoranthene | 1500 | | ug/kg | 100 | 28. | 1 |
| Chrysene | 2700 | | ug/kg | 100 | 18. | 1 |
| Acenaphthylene | 900 | | ug/kg | 140 | 27. | 1 |
| Anthracene | 620 | | ug/kg | 100 | 34. | 1 |
| Benzo(ghi)perylene | 2100 | | ug/kg | 140 | 21. | 1 |
| Fluorene | 85 | J | ug/kg | 180 | 17. | 1 |
| Phenanthrene | 1600 | | ug/kg | 100 | 21. | 1 |
| Dibenzo(a,h)anthracene | 680 | | ug/kg | 100 | 20. | 1 |
| Indeno(1,2,3-cd)pyrene | 2600 | | ug/kg | 140 | 24. | 1 |
| Pyrene | 3800 | | ug/kg | 100 | 17. | 1 |
| Biphenyl | ND | | ug/kg | 400 | 41. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 32. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 72. | 1 |
| Dibenzofuran | 150 | J | ug/kg | 180 | 16. | 1 |
| 2-Methylnaphthalene | 43 | J | ug/kg | 210 | 21. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 18. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 100 | 33. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 26. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 21. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 28. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 58. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 380 | 66. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 240 | 72. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 840 | 82. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 460 | 84. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 38. | 1 |
| Phenol | ND | | ug/kg | 180 | 26. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 27. | 1 |
| 3-Methylphenol/4-Methylphenol | 49 | J | ug/kg | 250 | 27. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17
Client ID: DUP-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 07:33
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 34. | 1 |
| Benzoic Acid | ND | | ug/kg | 570 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 54. | 1 |
| Carbazole | 140 | J | ug/kg | 180 | 17. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 86 | | 25-120 |
| Phenol-d6 | 90 | | 10-120 |
| Nitrobenzene-d5 | 77 | | 23-120 |
| 2-Fluorobiphenyl | 86 | | 30-120 |
| 2,4,6-Tribromophenol | 106 | | 10-136 |
| 4-Terphenyl-d14 | 84 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 05:34
Analyst: HL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 820 | | ug/kg | 150 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 21. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 25. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 33. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 49. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 37. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 32. | 1 |
| Fluoranthene | 9400 | E | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 31. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 27. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 520 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 30. | 1 |
| Isophorone | ND | | ug/kg | 160 | 24. | 1 |
| Naphthalene | 930 | | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 27. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 21. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 180 | 64. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 35. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 62. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18 Date Collected: 06/04/18 07:54

Client ID: DUP-2 Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | 4600 | | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | 4000 | | ug/kg | 150 | 45. | 1 |
| Benzo(b)fluoranthene | 5400 | | ug/kg | 110 | 31. | 1 |
| Benzo(k)fluoranthene | 1600 | | ug/kg | 110 | 29. | 1 |
| Chrysene | 4400 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 1000 | | ug/kg | 150 | 28. | 1 |
| Anthracene | 2700 | | ug/kg | 110 | 36. | 1 |
| Benzo(ghi)perylene | 2200 | | ug/kg | 150 | 22. | 1 |
| Fluorene | 1100 | | ug/kg | 180 | 18. | 1 |
| Phenanthrene | 9500 | E | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 670 | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 2700 | | ug/kg | 150 | 26. | 1 |
| Pyrene | 8300 | E | ug/kg | 110 | 18. | 1 |
| Biphenyl | 200 | J | ug/kg | 420 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 76. | 1 |
| Dibenzofuran | 1300 | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | 500 | | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 23. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 30. | 1 |
| 2,4-Dimethylphenol | 62 | J | ug/kg | 180 | 60. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 69. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 75. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 880 | 86. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 480 | 88. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 40. | 1 |
| Phenol | 33 | J | ug/kg | 180 | 28. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | 76 | J | ug/kg | 260 | 29. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 35. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | 1200 | | ug/kg | 180 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 83 | | 25-120 |
| Phenol-d6 | 86 | | 10-120 |
| Nitrobenzene-d5 | 79 | | 23-120 |
| 2-Fluorobiphenyl | 87 | | 30-120 |
| 2,4,6-Tribromophenol | 107 | | 10-136 |
| 4-Terphenyl-d14 | 82 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18 D
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/18 01:30
Analyst: PS
Percent Solids: 90%

Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Fluoranthene | 12000 | | ug/kg | 550 | 100 | 5 |
| Phenanthrene | 13000 | | ug/kg | 550 | 110 | 5 |
| Pyrene | 10000 | | ug/kg | 550 | 91. | 5 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/10/18 18:34
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.66 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.67 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.73 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.69 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.71 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.4 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 1.1 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.62 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.73 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.70 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.63 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 7.8 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.60 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.75 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.64 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.70 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.91 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.69 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.63 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.65 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.76 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.63 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 1.2 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 1.3 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19 Date Collected: 06/05/18 16:00

Client ID: MW-A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.66 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.67 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.85 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.68 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.62 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.63 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.5 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.8 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 5.5 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 2.1 | 1 |
| Phenol | ND | | ug/l | 5.0 | 1.9 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 1.0 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 13. | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.72 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.63 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 51 | | 21-120 |
| Phenol-d6 | 40 | | 10-120 |
| Nitrobenzene-d5 | 83 | | 23-120 |
| 2-Fluorobiphenyl | 82 | | 15-120 |
| 2,4,6-Tribromophenol | 100 | | 10-120 |
| 4-Terphenyl-d14 | 95 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 20:22
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS-SIM - Westborough Lab** | | | | | | |
| Acenaphthene | 0.29 | | ug/l | 0.10 | 0.04 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Fluoranthene | 0.10 | J | ug/l | 0.10 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.04 | 1 |
| Naphthalene | 1.8 | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(a)anthracene | 0.02 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(b)fluoranthene | 0.02 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Anthracene | 0.06 | J | ug/l | 0.10 | 0.04 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Fluorene | 0.13 | | ug/l | 0.10 | 0.04 | 1 |
| Phenanthrene | 0.40 | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Pyrene | 0.08 | J | ug/l | 0.10 | 0.04 | 1 |
| 2-Methylnaphthalene | 0.31 | | ug/l | 0.10 | 0.05 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.22 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.03 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.03 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 39 | | 21-120 |
| Phenol-d6 | 30 | | 10-120 |
| Nitrobenzene-d5 | 62 | | 23-120 |
| 2-Fluorobiphenyl | 63 | | 15-120 |
| 2,4,6-Tribromophenol | 70 | | 10-120 |
| 4-Terphenyl-d14 | 75 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/12/18 11:35
Analyst: TJ

Extraction Method: EPA 3510C
Extraction Date: 06/11/18 16:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 144 | 72.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Dioxane-d8 | 25 | | 15-110 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/18/18 11:52
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/15/18 09:50

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 9.13 | | ng/l | 1.78 | 0.117 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 12.0 | | ng/l | 1.78 | 0.076 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 2.50 | | ng/l | 1.78 | 0.098 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 9.14 | | ng/l | 1.78 | 0.113 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 5.74 | | ng/l | 1.78 | 0.083 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 1.81 | | ng/l | 1.78 | 0.096 | 1 |
| Perfluorooctanoic Acid (PFOA) | 29.0 | | ng/l | 1.78 | 0.045 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.78 | 0.173 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 0.725 | J | ng/l | 1.78 | 0.138 | 1 |
| Perfluorononanoic Acid (PFNA) | 2.15 | | ng/l | 1.78 | 0.090 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 21.4 | | ng/l | 1.78 | 0.100 | 1 |
| Perfluorodecanoic Acid (PFDA) | 3.98 | | ng/l | 1.78 | 0.170 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.78 | 0.260 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.78 | 0.224 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.78 | 0.171 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.78 | 0.198 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.78 | 0.202 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 1.16 | J | ng/l | 1.78 | 0.333 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.78 | 0.082 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.78 | 0.081 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.78 | 0.064 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19 Date Collected: 06/05/18 16:00

Client ID: MW-A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 93 | | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 112 | | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 101 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 81 | | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 82 | | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 102 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 92 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 111 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 79 | | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 91 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 72 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 73 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | **40** | Q | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 60 | | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **27** | Q | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | **35** | Q | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | **46** | Q | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | **49** | Q | 50-150 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/11/18 13:25
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.66 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.67 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.73 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.69 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.71 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.4 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 1.1 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.62 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.73 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.70 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.63 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 7.8 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.60 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.75 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.64 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.70 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.91 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.69 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.63 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.65 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.76 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.63 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 1.2 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 1.3 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20 Date Collected: 06/05/18 13:30

Client ID: MW-B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.66 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.67 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.85 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.68 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.62 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.63 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.5 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.8 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 5.5 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 2.1 | 1 |
| Phenol | ND | | ug/l | 5.0 | 1.9 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 1.0 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 13. | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.72 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.63 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 42 | | 21-120 |
| Phenol-d6 | 33 | | 10-120 |
| Nitrobenzene-d5 | 79 | | 23-120 |
| 2-Fluorobiphenyl | 71 | | 15-120 |
| 2,4,6-Tribromophenol | 66 | | 10-120 |
| 4-Terphenyl-d14 | 73 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 13:42
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS-SIM - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.04 | 1 |
| Naphthalene | 0.22 | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.22 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.03 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.03 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 37 | | 21-120 |
| Phenol-d6 | 29 | | 10-120 |
| Nitrobenzene-d5 | 60 | | 23-120 |
| 2-Fluorobiphenyl | 59 | | 15-120 |
| 2,4,6-Tribromophenol | 62 | | 10-120 |
| 4-Terphenyl-d14 | 61 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/12/18 11:57
Analyst: TJ

Extraction Method: EPA 3510C
Extraction Date: 06/11/18 16:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | 2340 | | ng/l | 144 | 72.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Dioxane-d8 | 25 | | 15-110 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/18/18 12:08
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/15/18 09:50

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 13.0 | | ng/l | 1.78 | 0.117 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 15.6 | | ng/l | 1.78 | 0.076 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 3.95 | | ng/l | 1.78 | 0.098 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 14.0 | | ng/l | 1.78 | 0.113 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 10.2 | | ng/l | 1.78 | 0.083 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 3.03 | | ng/l | 1.78 | 0.096 | 1 |
| Perfluorooctanoic Acid (PFOA) | 57.9 | | ng/l | 1.78 | 0.045 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.78 | 0.173 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 0.878 | J | ng/l | 1.78 | 0.138 | 1 |
| Perfluorononanoic Acid (PFNA) | 4.36 | | ng/l | 1.78 | 0.090 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 44.4 | | ng/l | 1.78 | 0.100 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.846 | J | ng/l | 1.78 | 0.170 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.78 | 0.260 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.78 | 0.224 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.78 | 0.171 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.78 | 0.198 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.78 | 0.202 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.78 | 0.333 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.78 | 0.082 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.78 | 0.081 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.78 | 0.064 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20 Date Collected: 06/05/18 13:30

Client ID: MW-B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 90 | | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 92 | | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 90 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 68 | | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 69 | | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 94 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 80 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 117 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 72 | | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 91 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 67 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 85 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 50 | | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 67 | | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **8** | Q | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 50 | | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 63 | | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 62 | | 50-150 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/10/18 19:00
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.66 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.67 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.73 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.69 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.71 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.4 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 1.1 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.62 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.73 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.70 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.63 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 7.8 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.60 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.75 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.64 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.70 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.91 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.69 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.63 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.65 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.76 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.63 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 1.2 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 1.3 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.66 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.67 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.85 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.68 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.62 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.63 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.5 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.8 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 5.5 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 2.1 | 1 |
| Phenol | ND | | ug/l | 5.0 | 1.9 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 1.0 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 13. | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.72 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.63 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 64 | | 21-120 |
| Phenol-d6 | 48 | | 10-120 |
| Nitrobenzene-d5 | 100 | | 23-120 |
| 2-Fluorobiphenyl | 97 | | 15-120 |
| 2,4,6-Tribromophenol | 114 | | 10-120 |
| 4-Terphenyl-d14 | 101 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 16:10
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS-SIM - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.04 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(a)anthracene | 0.02 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(b)fluoranthene | 0.02 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Phenanthrene | 0.02 | J | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.22 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.03 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.03 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 59 | | 21-120 |
| Phenol-d6 | 45 | | 10-120 |
| Nitrobenzene-d5 | 96 | | 23-120 |
| 2-Fluorobiphenyl | 88 | | 15-120 |
| 2,4,6-Tribromophenol | 113 | | 10-120 |
| 4-Terphenyl-d14 | 91 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/12/18 13:06
Analyst: TJ

Extraction Method: EPA 3510C
Extraction Date: 06/11/18 16:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | 17000 | | ng/l | 150 | 75.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Dioxane-d8 | 27 | | 15-110 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/18/18 12:58
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/15/18 09:50

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 15.2 | | ng/l | 1.85 | 0.121 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 35.0 | | ng/l | 1.85 | 0.079 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 5.73 | | ng/l | 1.85 | 0.102 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 25.3 | | ng/l | 1.85 | 0.117 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 16.9 | | ng/l | 1.85 | 0.086 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 3.92 | | ng/l | 1.85 | 0.100 | 1 |
| Perfluorooctanoic Acid (PFOA) | 69.2 | | ng/l | 1.85 | 0.047 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.85 | 0.180 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.85 | 0.144 | 1 |
| Perfluorononanoic Acid (PFNA) | 4.62 | | ng/l | 1.85 | 0.093 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 18.4 | | ng/l | 1.85 | 0.103 | 1 |
| Perfluorodecanoic Acid (PFDA) | 1.27 | J | ng/l | 1.85 | 0.176 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.85 | 0.269 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.85 | 0.232 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.85 | 0.177 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.85 | 0.206 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.85 | 0.210 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.85 | 0.345 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.85 | 0.085 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.85 | 0.084 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.85 | 0.067 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21 Date Collected: 06/05/18 10:00

Client ID: MW-C Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 104 | | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 133 | | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 105 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 96 | | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 91 | | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 108 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 101 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 95 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 94 | | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 109 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 87 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 84 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 58 | | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 90 | | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **27** | Q | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 64 | | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 81 | | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 79 | | 50-150 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/10/18 19:26
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.66 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.67 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.73 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.69 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.71 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.4 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 1.1 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.62 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.73 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.70 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.63 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 7.8 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.60 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.75 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.64 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.70 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.91 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.69 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.63 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.65 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.76 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.63 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 1.2 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 1.3 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22 Date Collected: 06/05/18 11:50

Client ID: GW-DUP Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.66 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.67 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.85 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.68 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.62 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.63 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.5 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.8 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 5.5 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 2.1 | 1 |
| Phenol | ND | | ug/l | 5.0 | 1.9 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 1.0 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 13. | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.72 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.63 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 62 | | 21-120 |
| Phenol-d6 | 47 | | 10-120 |
| Nitrobenzene-d5 | 92 | | 23-120 |
| 2-Fluorobiphenyl | 88 | | 15-120 |
| 2,4,6-Tribromophenol | 103 | | 10-120 |
| 4-Terphenyl-d14 | 95 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 16:36
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS-SIM - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.04 | 1 |
| Naphthalene | 0.08 | J | ug/l | 0.10 | 0.04 | 1 |
| Benzo(a)anthracene | 0.03 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | 0.05 | J | ug/l | 0.10 | 0.04 | 1 |
| Benzo(b)fluoranthene | 0.06 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(ghi)perylene | 0.06 | J | ug/l | 0.10 | 0.04 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Phenanthrene | 0.02 | J | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Indeno(1,2,3-cd)pyrene | 0.05 | J | ug/l | 0.10 | 0.04 | 1 |
| Pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.22 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.03 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.03 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 57 | | 21-120 |
| Phenol-d6 | 43 | | 10-120 |
| Nitrobenzene-d5 | 87 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 15-120 |
| 2,4,6-Tribromophenol | 102 | | 10-120 |
| 4-Terphenyl-d14 | 87 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/12/18 13:30
Analyst: TJ

Extraction Method: EPA 3510C
Extraction Date: 06/11/18 16:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | 18500 | | ng/l | 144 | 72.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Dioxane-d8 | 25 | | 15-110 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/18/18 13:15
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/15/18 09:50

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 15.4 | | ng/l | 1.72 | 0.113 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 36.3 | | ng/l | 1.72 | 0.074 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 6.00 | | ng/l | 1.72 | 0.095 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 25.6 | | ng/l | 1.72 | 0.109 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 17.5 | | ng/l | 1.72 | 0.080 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 4.02 | | ng/l | 1.72 | 0.093 | 1 |
| Perfluorooctanoic Acid (PFOA) | 67.9 | | ng/l | 1.72 | 0.043 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.72 | 0.167 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.72 | 0.134 | 1 |
| Perfluorononanoic Acid (PFNA) | 4.45 | | ng/l | 1.72 | 0.087 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 19.3 | | ng/l | 1.72 | 0.096 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.976 | J | ng/l | 1.72 | 0.164 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.72 | 0.251 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.72 | 0.216 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.72 | 0.165 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.72 | 0.192 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.72 | 0.196 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.72 | 0.321 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.72 | 0.079 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.72 | 0.078 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.72 | 0.062 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22 Date Collected: 06/05/18 11:50

Client ID: GW-DUP Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 75 | | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 88 | | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 95 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 62 | | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 57 | | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 99 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 63 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 91 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 61 | | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 100 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 62 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 87 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 50 | | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 63 | | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **7** | Q | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 54 | | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 61 | | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 66 | | 50-150 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-29
Client ID: SS-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 04:16
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 22 | J | ug/kg | 140 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 20. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 24. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 48. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 36. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 31. | 1 |
| Fluoranthene | 1300 | | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 19. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 27. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 31. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 190 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 26. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 510 | 160 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 29. | 1 |
| Isophorone | ND | | ug/kg | 160 | 23. | 1 |
| Naphthalene | ND | | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 27. | 1 |
| NDPA/DPA | ND | | ug/kg | 140 | 20. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | 120 | J | ug/kg | 180 | 62. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 45. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 34. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 61. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-29 Date Collected: 06/04/18 08:30

Client ID: SS-1A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | 850 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 710 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 1400 | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | 320 | | ug/kg | 110 | 29. | 1 |
| Chrysene | 820 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 200 | | ug/kg | 140 | 28. | 1 |
| Anthracene | 220 | | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 610 | | ug/kg | 140 | 21. | 1 |
| Fluorene | 25 | J | ug/kg | 180 | 17. | 1 |
| Phenanthrene | 620 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 190 | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 720 | | ug/kg | 140 | 25. | 1 |
| Pyrene | 1300 | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 74. | 1 |
| Dibenzofuran | 50 | J | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 21. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 59. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 68. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 73. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 860 | 84. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 86. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-29
Client ID: SS-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 34. | 1 |
| Benzoic Acid | ND | | ug/kg | 580 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 55. | 1 |
| Carbazole | 55 | J | ug/kg | 180 | 17. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 79 | | 25-120 |
| Phenol-d6 | 85 | | 10-120 |
| Nitrobenzene-d5 | 82 | | 23-120 |
| 2-Fluorobiphenyl | 77 | | 30-120 |
| 2,4,6-Tribromophenol | 83 | | 10-136 |
| 4-Terphenyl-d14 | 69 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-30
Client ID: SS-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:08
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 04:42
Analyst: EK
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 100 | J | ug/kg | 160 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 200 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 22. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 200 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 200 | 34. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 200 | 34. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 200 | 52. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 39. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 34. | 1 |
| Fluoranthene | 3800 | | ug/kg | 120 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 21. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 30. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 33. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 29. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 560 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 32. | 1 |
| Isophorone | ND | | ug/kg | 180 | 25. | 1 |
| Naphthalene | 46 | J | ug/kg | 200 | 24. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 29. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 30. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 200 | 68. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 200 | 49. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 37. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 66. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-30 Date Collected: 06/04/18 09:08

Client ID: SS-2A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 200 | 18. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 200 | 41. | 1 |
| Benzo(a)anthracene | 2000 | | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | 1700 | | ug/kg | 160 | 48. | 1 |
| Benzo(b)fluoranthene | 2200 | | ug/kg | 120 | 33. | 1 |
| Benzo(k)fluoranthene | 790 | | ug/kg | 120 | 31. | 1 |
| Chrysene | 1900 | | ug/kg | 120 | 20. | 1 |
| Acenaphthylene | 280 | | ug/kg | 160 | 30. | 1 |
| Anthracene | 620 | | ug/kg | 120 | 38. | 1 |
| Benzo(ghi)perylene | 980 | | ug/kg | 160 | 23. | 1 |
| Fluorene | 95 | J | ug/kg | 200 | 19. | 1 |
| Phenanthrene | 2200 | | ug/kg | 120 | 24. | 1 |
| Dibenzo(a,h)anthracene | 300 | | ug/kg | 120 | 23. | 1 |
| Indeno(1,2,3-cd)pyrene | 1100 | | ug/kg | 160 | 27. | 1 |
| Pyrene | 3500 | | ug/kg | 120 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 450 | 45. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 36. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 38. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 37. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 81. | 1 |
| Dibenzofuran | 74 | J | ug/kg | 200 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 24. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 200 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 200 | 24. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 37. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 200 | 29. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 200 | 23. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 180 | 31. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 200 | 64. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 420 | 74. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 80. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 940 | 91. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 510 | 94. | 1 |
| Pentachlorophenol | ND | | ug/kg | 160 | 43. | 1 |
| Phenol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Methylphenol | ND | | ug/kg | 200 | 30. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 280 | 31. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-30
Client ID: SS-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:08
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 200 | 38. | 1 |
| Benzoic Acid | ND | | ug/kg | 630 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 60. | 1 |
| Carbazole | 160 | J | ug/kg | 200 | 19. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 79 | | 25-120 |
| Phenol-d6 | 87 | | 10-120 |
| Nitrobenzene-d5 | 85 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 30-120 |
| 2,4,6-Tribromophenol | 82 | | 10-136 |
| 4-Terphenyl-d14 | 53 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31
Client ID: SS-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 05:07
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 700 | | ug/kg | 140 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 21. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 24. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 48. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 36. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 31. | 1 |
| Fluoranthene | 11000 | E | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 19. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 31. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 26. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 520 | 160 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 29. | 1 |
| Isophorone | ND | | ug/kg | 160 | 24. | 1 |
| Naphthalene | 220 | | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 27. | 1 |
| NDPA/DPA | ND | | ug/kg | 140 | 21. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | 88 | J | ug/kg | 180 | 63. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 34. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 62. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31 Date Collected: 06/04/18 09:45

Client ID: SS-3A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | 5500 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 4700 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 6000 | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | 1800 | | ug/kg | 110 | 29. | 1 |
| Chrysene | 4700 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 420 | | ug/kg | 140 | 28. | 1 |
| Anthracene | 2100 | | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 2600 | | ug/kg | 140 | 21. | 1 |
| Fluorene | 710 | | ug/kg | 180 | 18. | 1 |
| Phenanthrene | 8900 | E | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 770 | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 3000 | | ug/kg | 140 | 25. | 1 |
| Pyrene | 9800 | E | ug/kg | 110 | 18. | 1 |
| Biphenyl | 73 | J | ug/kg | 410 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 75. | 1 |
| Dibenzofuran | 620 | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | 140 | J | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 21. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 60. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 68. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 74. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 870 | 84. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 87. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | 28 | J | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31 Date Collected: 06/04/18 09:45

Client ID: SS-3A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 35. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 55. | 1 |
| Carbazole | 730 | | ug/kg | 180 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 76 | | 25-120 |
| Phenol-d6 | 82 | | 10-120 |
| Nitrobenzene-d5 | 81 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 30-120 |
| 2,4,6-Tribromophenol | 81 | | 10-136 |
| 4-Terphenyl-d14 | 67 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31 D
Client ID: SS-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/18 01:54
Analyst: PS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Fluoranthene | 11000 | | ug/kg | 540 | 100 | 5 |
| Phenanthrene | 8800 | | ug/kg | 540 | 110 | 5 |
| Pyrene | 9700 | | ug/kg | 540 | 90. | 5 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-32
Client ID: SS-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 05:33
Analyst: EK
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 300 | | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 51. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 33. | 1 |
| Fluoranthene | 3800 | | ug/kg | 110 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 32. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 25. | 1 |
| Naphthalene | 170 | J | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-ethylhexyl)phthalate | 260 | | ug/kg | 190 | 66. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Di-n-butylphthalate | 54 | J | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 65. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-32 Date Collected: 06/04/18 10:20

Client ID: SS-4A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 18. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Benzo(a)anthracene | 1800 | | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | 1600 | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 2000 | | ug/kg | 110 | 32. | 1 |
| Benzo(k)fluoranthene | 760 | | ug/kg | 110 | 30. | 1 |
| Chrysene | 1800 | | ug/kg | 110 | 20. | 1 |
| Acenaphthylene | 290 | | ug/kg | 150 | 29. | 1 |
| Anthracene | 650 | | ug/kg | 110 | 37. | 1 |
| Benzo(ghi)perylene | 1100 | | ug/kg | 150 | 22. | 1 |
| Fluorene | 270 | | ug/kg | 190 | 18. | 1 |
| Phenanthrene | 3100 | | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | 280 | | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 1200 | | ug/kg | 150 | 26. | 1 |
| Pyrene | 3600 | | ug/kg | 110 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 44. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 35. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 37. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 79. | 1 |
| Dibenzofuran | 220 | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | 95 | J | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | 52 | J | ug/kg | 190 | 24. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 30. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 63. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 72. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 78. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 910 | 89. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 91. | 1 |
| Pentachlorophenol | 54 | J | ug/kg | 150 | 42. | 1 |
| Phenol | ND | | ug/kg | 190 | 29. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 29. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 30. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-32
Client ID: SS-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 36. | 1 |
| Benzoic Acid | ND | | ug/kg | 620 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | 300 | | ug/kg | 190 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 77 | | 25-120 |
| Phenol-d6 | 84 | | 10-120 |
| Nitrobenzene-d5 | 84 | | 23-120 |
| 2-Fluorobiphenyl | 63 | | 30-120 |
| 2,4,6-Tribromophenol | 79 | | 10-136 |
| 4-Terphenyl-d14 | 42 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33
Client ID: SS-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 08:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 05:59
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 85 | J | ug/kg | 140 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 21. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 25. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 33. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 48. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 36. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 31. | 1 |
| Fluoranthene | 3700 | | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 19. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 31. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 27. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 520 | 160 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 29. | 1 |
| Isophorone | ND | | ug/kg | 160 | 24. | 1 |
| Naphthalene | 81 | J | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 27. | 1 |
| NDPA/DPA | ND | | ug/kg | 140 | 21. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | 650 | | ug/kg | 180 | 63. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 34. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 62. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33 Date Collected: 06/04/18 08:40

Client ID: SS-1B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | 3900 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 4500 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 8600 | E | ug/kg | 110 | 31. | 1 |
| Benzo(k)fluoranthene | 1700 | | ug/kg | 110 | 29. | 1 |
| Chrysene | 4300 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 1400 | | ug/kg | 140 | 28. | 1 |
| Anthracene | 1200 | | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 3600 | | ug/kg | 140 | 21. | 1 |
| Fluorene | 94 | J | ug/kg | 180 | 18. | 1 |
| Phenanthrene | 1800 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 1200 | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 4500 | | ug/kg | 140 | 25. | 1 |
| Pyrene | 4200 | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 75. | 1 |
| Dibenzofuran | 210 | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | 81 | J | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 21. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 60. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 68. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 74. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 870 | 85. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 87. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | 49 | J | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33 Date Collected: 06/04/18 08:40

Client ID: SS-1B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 35. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | 200 | | ug/kg | 180 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 74 | | 25-120 |
| Phenol-d6 | 79 | | 10-120 |
| Nitrobenzene-d5 | 79 | | 23-120 |
| 2-Fluorobiphenyl | 63 | | 30-120 |
| 2,4,6-Tribromophenol | 76 | | 10-136 |
| 4-Terphenyl-d14 | 51 | | 18-120 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33 D
Client ID: SS-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 08:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/18 02:18
Analyst: PS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(b)fluoranthene | 8500 | | ug/kg | 220 | 61. | 2 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-34
Client ID: SS-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 06:24
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 400 | | ug/kg | 150 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 21. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 25. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 32. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 32. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 37. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 32. | 1 |
| Fluoranthene | 4300 | | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 28. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 32. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 27. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 530 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 30. | 1 |
| Isophorone | ND | | ug/kg | 170 | 24. | 1 |
| Naphthalene | 270 | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 21. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 64. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 47. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 35. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 63. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-34 Date Collected: 06/04/18 09:20

Client ID: SS-2B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 39. | 1 |
| Benzo(a)anthracene | 1700 | | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | 1600 | | ug/kg | 150 | 45. | 1 |
| Benzo(b)fluoranthene | 2300 | | ug/kg | 110 | 31. | 1 |
| Benzo(k)fluoranthene | 500 | | ug/kg | 110 | 30. | 1 |
| Chrysene | 1900 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 190 | | ug/kg | 150 | 29. | 1 |
| Anthracene | 760 | | ug/kg | 110 | 36. | 1 |
| Benzo(ghi)perylene | 1000 | | ug/kg | 150 | 22. | 1 |
| Fluorene | 340 | | ug/kg | 190 | 18. | 1 |
| Phenanthrene | 4200 | | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | 280 | | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 1100 | | ug/kg | 150 | 26. | 1 |
| Pyrene | 3800 | | ug/kg | 110 | 18. | 1 |
| Biphenyl | 48 | J | ug/kg | 420 | 43. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 34. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 35. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 77. | 1 |
| Dibenzofuran | 400 | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | 150 | J | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 23. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 30. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 61. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 70. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 76. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 890 | 87. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 480 | 89. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 41. | 1 |
| Phenol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 29. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 29. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-34 Date Collected: 06/04/18 09:20

Client ID: SS-2B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 36. | 1 |
| Benzoic Acid | ND | | ug/kg | 600 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 57. | 1 |
| Carbazole | 470 | | ug/kg | 190 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 77 | | 25-120 |
| Phenol-d6 | 84 | | 10-120 |
| Nitrobenzene-d5 | 83 | | 23-120 |
| 2-Fluorobiphenyl | 76 | | 30-120 |
| 2,4,6-Tribromophenol | 85 | | 10-136 |
| 4-Terphenyl-d14 | 69 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-35
Client ID: SS-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 06:50
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 470 | | ug/kg | 140 | 18. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 20. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 24. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 48. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 36. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 31. | 1 |
| Fluoranthene | 6100 | | ug/kg | 110 | 20. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 19. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 27. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 210 | 30. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 190 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 26. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 510 | 160 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 29. | 1 |
| Isophorone | ND | | ug/kg | 160 | 23. | 1 |
| Naphthalene | 250 | | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 26. | 1 |
| NDPA/DPA | ND | | ug/kg | 140 | 20. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 180 | 62. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 45. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 34. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 61. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-35 Date Collected: 06/04/18 09:55

Client ID: SS-3B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 16. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | 2800 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 2400 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 3100 | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | 940 | | ug/kg | 110 | 29. | 1 |
| Chrysene | 2600 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 260 | | ug/kg | 140 | 28. | 1 |
| Anthracene | 1300 | | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 1500 | | ug/kg | 140 | 21. | 1 |
| Fluorene | 410 | | ug/kg | 180 | 17. | 1 |
| Phenanthrene | 5300 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 390 | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 1600 | | ug/kg | 140 | 25. | 1 |
| Pyrene | 5400 | | ug/kg | 110 | 18. | 1 |
| Biphenyl | 46 | J | ug/kg | 410 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 32. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 74. | 1 |
| Dibenzofuran | 380 | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | 120 | J | ug/kg | 210 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 22. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 21. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 59. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 67. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 73. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 860 | 83. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 460 | 86. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 39. | 1 |
| Phenol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 28. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-35 Date Collected: 06/04/18 09:55

Client ID: SS-3B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 34. | 1 |
| Benzoic Acid | ND | | ug/kg | 580 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 55. | 1 |
| Carbazole | 550 | | ug/kg | 180 | 17. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 84 | | 25-120 |
| Phenol-d6 | 90 | | 10-120 |
| Nitrobenzene-d5 | 89 | | 23-120 |
| 2-Fluorobiphenyl | 83 | | 30-120 |
| 2,4,6-Tribromophenol | 86 | | 10-136 |
| 4-Terphenyl-d14 | 61 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-36
Client ID: SS-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/18 07:16
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 620 | | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 32. | 1 |
| Fluoranthene | 6800 | | ug/kg | 110 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 32. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 25. | 1 |
| Naphthalene | 190 | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-ethylhexyl)phthalate | 440 | | ug/kg | 190 | 66. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Di-n-butylphthalate | 120 | J | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 64. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-36 Date Collected: 06/04/18 10:40

Client ID: SS-4B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 18. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Benzo(a)anthracene | 3400 | | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | 3100 | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 4200 | | ug/kg | 110 | 32. | 1 |
| Benzo(k)fluoranthene | 1100 | | ug/kg | 110 | 30. | 1 |
| Chrysene | 3700 | | ug/kg | 110 | 20. | 1 |
| Acenaphthylene | 300 | | ug/kg | 150 | 29. | 1 |
| Anthracene | 1100 | | ug/kg | 110 | 37. | 1 |
| Benzo(ghi)perylene | 1900 | | ug/kg | 150 | 22. | 1 |
| Fluorene | 390 | | ug/kg | 190 | 18. | 1 |
| Phenanthrene | 5400 | | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | 560 | | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 2100 | | ug/kg | 150 | 26. | 1 |
| Pyrene | 6400 | | ug/kg | 110 | 19. | 1 |
| Biphenyl | 45 | J | ug/kg | 430 | 44. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 34. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 37. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 79. | 1 |
| Dibenzofuran | 350 | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | 130 | J | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 24. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 30. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 63. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 71. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 78. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 910 | 88. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 91. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| Phenol | ND | | ug/kg | 190 | 29. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 29. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 30. | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-36 Date Collected: 06/04/18 10:40

Client ID: SS-4B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 36. | 1 |
| Benzoic Acid | ND | | ug/kg | 620 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | 420 | | ug/kg | 190 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 80 | | 25-120 |
| Phenol-d6 | 85 | | 10-120 |
| Nitrobenzene-d5 | 86 | | 23-120 |
| 2-Fluorobiphenyl | 79 | | 30-120 |
| 2,4,6-Tribromophenol | 85 | | 10-136 |
| 4-Terphenyl-d14 | 70 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/10/18 19:53
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.66 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.67 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.73 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.69 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.71 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.4 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 1.1 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.62 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.73 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.70 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.63 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 7.8 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.60 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.75 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.64 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.70 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.91 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.69 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.63 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.65 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.76 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.63 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 1.2 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 1.3 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37 Date Collected: 06/05/18 08:30

Client ID: FIELD BLANK Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.66 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.67 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.85 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.68 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.62 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.63 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.5 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.8 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 5.5 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 2.1 | 1 |
| Phenol | ND | | ug/l | 5.0 | 1.9 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 1.0 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 13. | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.72 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.63 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 59 | | 21-120 |
| Phenol-d6 | 45 | | 10-120 |
| Nitrobenzene-d5 | 86 | | 23-120 |
| 2-Fluorobiphenyl | 85 | | 15-120 |
| 2,4,6-Tribromophenol | 101 | | 10-120 |
| 4-Terphenyl-d14 | 91 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 17:02
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS-SIM - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.04 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.22 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.03 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.03 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 55 | | 21-120 |
| Phenol-d6 | 41 | | 10-120 |
| Nitrobenzene-d5 | 84 | | 23-120 |
| 2-Fluorobiphenyl | 76 | | 15-120 |
| 2,4,6-Tribromophenol | 99 | | 10-120 |
| 4-Terphenyl-d14 | 83 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/12/18 13:55
Analyst: TJ

Extraction Method: EPA 3510C
Extraction Date: 06/11/18 16:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 153 | 76.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Dioxane-d8 | 27 | | 15-110 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/12/18 12:50
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/11/18 10:50

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.78 | 0.117 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.78 | 0.076 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.78 | 0.098 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.78 | 0.113 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.78 | 0.083 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.78 | 0.096 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.218 | J | ng/l | 1.78 | 0.045 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.78 | 0.173 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.78 | 0.138 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 1.78 | 0.090 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.200 | J | ng/l | 1.78 | 0.100 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.78 | 0.170 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.78 | 0.260 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.78 | 0.224 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.78 | 0.171 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.78 | 0.198 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.78 | 0.202 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.78 | 0.333 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.78 | 0.082 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.78 | 0.081 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.78 | 0.064 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37 Date Collected: 06/05/18 08:30

Client ID: FIELD BLANK Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 68 | | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 76 | | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 74 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 66 | | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 66 | | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 78 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 66 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 61 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 66 | | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 70 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 65 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 50 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 51 | | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 71 | | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **43** | Q | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 59 | | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 67 | | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 60 | | 50-150 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/10/18 20:19
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.66 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.67 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.73 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.69 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.71 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.4 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 1.1 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.62 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.73 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.70 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.63 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 7.8 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.60 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.75 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.64 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.70 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.91 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.69 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.63 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.65 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.76 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.63 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 1.2 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 1.3 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38 Date Collected: 06/05/18 09:10

Client ID: FIELD BLANK Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.66 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.67 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.85 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.68 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.62 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.63 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.5 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.8 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 5.5 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 2.1 | 1 |
| Phenol | ND | | ug/l | 5.0 | 1.9 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 1.0 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 13. | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.72 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.63 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 63 | | 21-120 |
| Phenol-d6 | 48 | | 10-120 |
| Nitrobenzene-d5 | 94 | | 23-120 |
| 2-Fluorobiphenyl | 92 | | 15-120 |
| 2,4,6-Tribromophenol | 107 | | 10-120 |
| 4-Terphenyl-d14 | 95 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 17:28
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS-SIM - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.04 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Pyrene | ND | | ug/l | 0.10 | 0.04 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.22 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.03 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.03 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 58 | | 21-120 |
| Phenol-d6 | 43 | | 10-120 |
| Nitrobenzene-d5 | 90 | | 23-120 |
| 2-Fluorobiphenyl | 81 | | 15-120 |
| 2,4,6-Tribromophenol | 103 | | 10-120 |
| 4-Terphenyl-d14 | 86 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/12/18 14:20
Analyst: TJ

Extraction Method: EPA 3510C
Extraction Date: 06/11/18 16:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 144 | 72.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Dioxane-d8 | 27 | | 15-110 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 06/12/18 13:07
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/11/18 10:50

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab** | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.85 | 0.121 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.85 | 0.079 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.85 | 0.102 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.85 | 0.117 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.85 | 0.086 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.85 | 0.100 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 1.85 | 0.047 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.85 | 0.180 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.85 | 0.144 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 1.85 | 0.093 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.189 | J | ng/l | 1.85 | 0.103 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.85 | 0.176 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.85 | 0.269 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.85 | 0.232 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.85 | 0.177 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.85 | 0.206 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.85 | 0.210 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.85 | 0.345 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.85 | 0.085 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.85 | 0.084 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.85 | 0.067 | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38 Date Collected: 06/05/18 09:10

Client ID: FIELD BLANK Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 69 | | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 79 | | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 72 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 63 | | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 66 | | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 82 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 68 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 61 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 66 | | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 76 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 65 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 58 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 62 | | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 74 | | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **42** | Q | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 67 | | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 72 | | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 58 | | 50-150 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/09/18 19:49
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-18 Batch: WG1124120-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 160 | 19. |
| Hexachlorobenzene | ND | | ug/kg | 98 | 18. |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 150 | 22. |
| 2-Chloronaphthalene | ND | | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene | ND | | ug/kg | 160 | 29. |
| 1,3-Dichlorobenzene | ND | | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 160 | 28. |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 160 | 43. |
| 2,4-Dinitrotoluene | ND | | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene | ND | | ug/kg | 160 | 28. |
| Fluoranthene | ND | | ug/kg | 98 | 19. |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 160 | 17. |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 180 | 16. |
| Hexachlorobutadiene | ND | | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene | ND | | ug/kg | 470 | 150 |
| Hexachloroethane | ND | | ug/kg | 130 | 26. |
| Isophorone | ND | | ug/kg | 150 | 21. |
| Naphthalene | ND | | ug/kg | 160 | 20. |
| Nitrobenzene | ND | | ug/kg | 150 | 24. |
| NDPA/DPA | ND | | ug/kg | 130 | 18. |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 160 | 25. |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 160 | 56. |
| Butyl benzyl phthalate | ND | | ug/kg | 160 | 41. |
| Di-n-butylphthalate | ND | | ug/kg | 160 | 31. |
| Di-n-octylphthalate | ND | | ug/kg | 160 | 55. |
| Diethyl phthalate | ND | | ug/kg | 160 | 15. |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/09/18 19:49
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-18 Batch: WG1124120-1 | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 160 | 34. |
| Benzo(a)anthracene | ND | | ug/kg | 98 | 18. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 98 | 27. |
| Benzo(k)fluoranthene | ND | | ug/kg | 98 | 26. |
| Chrysene | ND | | ug/kg | 98 | 17. |
| Acenaphthylene | ND | | ug/kg | 130 | 25. |
| Anthracene | ND | | ug/kg | 98 | 32. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 19. |
| Fluorene | ND | | ug/kg | 160 | 16. |
| Phenanthrene | ND | | ug/kg | 98 | 20. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 98 | 19. |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 130 | 23. |
| Pyrene | ND | | ug/kg | 98 | 16. |
| Biphenyl | ND | | ug/kg | 370 | 38. |
| 4-Chloroaniline | ND | | ug/kg | 160 | 30. |
| 2-Nitroaniline | ND | | ug/kg | 160 | 31. |
| 3-Nitroaniline | ND | | ug/kg | 160 | 31. |
| 4-Nitroaniline | ND | | ug/kg | 160 | 68. |
| Dibenzofuran | ND | | ug/kg | 160 | 15. |
| 2-Methylnaphthalene | ND | | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 160 | 17. |
| Acetophenone | ND | | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 98 | 31. |
| p-Chloro-m-cresol | ND | | ug/kg | 160 | 24. |
| 2-Chlorophenol | ND | | ug/kg | 160 | 19. |
| 2,4-Dichlorophenol | ND | | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol | ND | | ug/kg | 160 | 54. |
| 2-Nitrophenol | ND | | ug/kg | 350 | 61. |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/09/18 19:49
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/08/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-18 Batch: WG1124120-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 66. |
| 2,4-Dinitrophenol | ND | | ug/kg | 780 | 76. |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 420 | 78. |
| Pentachlorophenol | ND | | ug/kg | 130 | 36. |
| Phenol | ND | | ug/kg | 160 | 25. |
| 2-Methylphenol | ND | | ug/kg | 160 | 25. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 230 | 26. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 31. |
| Benzoic Acid | ND | | ug/kg | 530 | 160 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 50. |
| Carbazole | ND | | ug/kg | 160 | 16. |
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | ND | | ug/kg | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 81 | | 25-120 |
| Phenol-d6 | 84 | | 10-120 |
| Nitrobenzene-d5 | 82 | | 23-120 |
| 2-Fluorobiphenyl | 79 | | 30-120 |
| 2,4,6-Tribromophenol | 98 | | 10-136 |
| 4-Terphenyl-d14 | 92 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/09/18 22:42
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 29-36 Batch: WG1124214-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 160 | 19. |
| Hexachlorobenzene | ND | | ug/kg | 98 | 18. |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 150 | 22. |
| 2-Chloronaphthalene | ND | | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene | ND | | ug/kg | 160 | 30. |
| 1,3-Dichlorobenzene | ND | | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 160 | 29. |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 160 | 44. |
| 2,4-Dinitrotoluene | ND | | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene | ND | | ug/kg | 160 | 28. |
| Fluoranthene | ND | | ug/kg | 98 | 19. |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 160 | 18. |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 180 | 16. |
| Hexachlorobutadiene | ND | | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene | ND | | ug/kg | 470 | 150 |
| Hexachloroethane | ND | | ug/kg | 130 | 26. |
| Isophorone | ND | | ug/kg | 150 | 21. |
| Naphthalene | ND | | ug/kg | 160 | 20. |
| Nitrobenzene | ND | | ug/kg | 150 | 24. |
| NDPA/DPA | ND | | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 160 | 25. |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 160 | 57. |
| Butyl benzyl phthalate | ND | | ug/kg | 160 | 41. |
| Di-n-butylphthalate | ND | | ug/kg | 160 | 31. |
| Di-n-octylphthalate | ND | | ug/kg | 160 | 56. |
| Diethyl phthalate | ND | | ug/kg | 160 | 15. |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/09/18 22:42
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 29-36 Batch: WG1124214-1 | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 160 | 34. |
| Benzo(a)anthracene | ND | | ug/kg | 98 | 18. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 98 | 28. |
| Benzo(k)fluoranthene | ND | | ug/kg | 98 | 26. |
| Chrysene | ND | | ug/kg | 98 | 17. |
| Acenaphthylene | ND | | ug/kg | 130 | 25. |
| Anthracene | ND | | ug/kg | 98 | 32. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 19. |
| Fluorene | ND | | ug/kg | 160 | 16. |
| Phenanthrene | ND | | ug/kg | 98 | 20. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 98 | 19. |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 130 | 23. |
| Pyrene | ND | | ug/kg | 98 | 16. |
| Biphenyl | ND | | ug/kg | 370 | 38. |
| 4-Chloroaniline | ND | | ug/kg | 160 | 30. |
| 2-Nitroaniline | ND | | ug/kg | 160 | 32. |
| 3-Nitroaniline | ND | | ug/kg | 160 | 31. |
| 4-Nitroaniline | ND | | ug/kg | 160 | 68. |
| Dibenzofuran | ND | | ug/kg | 160 | 16. |
| 2-Methylnaphthalene | ND | | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 160 | 17. |
| Acetophenone | ND | | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 98 | 31. |
| p-Chloro-m-cresol | ND | | ug/kg | 160 | 24. |
| 2-Chlorophenol | ND | | ug/kg | 160 | 19. |
| 2,4-Dichlorophenol | ND | | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol | ND | | ug/kg | 160 | 54. |
| 2-Nitrophenol | ND | | ug/kg | 350 | 62. |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/09/18 22:42
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/09/18 08:52

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 29-36 Batch: WG1124214-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol | ND | | ug/kg | 790 | 76. |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 430 | 79. |
| Pentachlorophenol | ND | | ug/kg | 130 | 36. |
| Phenol | ND | | ug/kg | 160 | 25. |
| 2-Methylphenol | ND | | ug/kg | 160 | 25. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 31. |
| Benzoic Acid | ND | | ug/kg | 530 | 170 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 50. |
| Carbazole | ND | | ug/kg | 160 | 16. |
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | ND | | ug/kg | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 81 | | 25-120 |
| Phenol-d6 | 85 | | 10-120 |
| Nitrobenzene-d5 | 86 | | 23-120 |
| 2-Fluorobiphenyl | 84 | | 30-120 |
| 2,4,6-Tribromophenol | 86 | | 10-136 |
| 4-Terphenyl-d14 | 87 | | 18-120 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/18 13:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124354-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.59 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.66 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.58 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.67 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.64 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.73 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.69 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.71 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.4 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 0.84 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 1.1 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.57 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.62 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.73 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.70 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.63 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.72 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 7.8 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.68 |
| Isophorone | ND | | ug/l | 5.0 | 0.60 |
| Naphthalene | ND | | ug/l | 2.0 | 0.68 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.75 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.64 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.70 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.91 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.3 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.69 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.63 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/18 13:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124354-1 | | | | | |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.65 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.61 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.54 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.64 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.60 |
| Chrysene | ND | | ug/l | 2.0 | 0.54 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.66 |
| Anthracene | ND | | ug/l | 2.0 | 0.64 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.61 |
| Fluorene | ND | | ug/l | 2.0 | 0.62 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.61 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.55 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 2.0 | 0.71 |
| Pyrene | ND | | ug/l | 2.0 | 0.57 |
| Biphenyl | ND | | ug/l | 2.0 | 0.76 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.63 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 1.1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 1.2 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 1.3 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.66 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.72 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.67 |
| Acetophenone | ND | | ug/l | 5.0 | 0.85 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.68 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.62 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.63 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.77 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.6 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.5 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/18 13:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124354-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.8 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 5.5 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 2.1 |
| Pentachlorophenol | ND | | ug/l | 10 | 3.4 |
| Phenol | ND | | ug/l | 5.0 | 1.9 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 1.0 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 1.1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.72 |
| Benzoic Acid | ND | | ug/l | 50 | 13. |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.72 |
| Carbazole | ND | | ug/l | 2.0 | 0.63 |
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | ND | | ug/l | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 47 | | 21-120 |
| Phenol-d6 | 38 | | 10-120 |
| Nitrobenzene-d5 | 75 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 15-120 |
| 2,4,6-Tribromophenol | 83 | | 10-120 |
| 4-Terphenyl-d14 | 88 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 08:24
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124355-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.04 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.04 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.04 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.04 |
| Naphthalene | ND | | ug/l | 0.10 | 0.04 |
| Benzo(a)anthracene | 0.03 | J | ug/l | 0.10 | 0.02 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.04 |
| Benzo(b)fluoranthene | 0.03 | J | ug/l | 0.10 | 0.02 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.04 |
| Chrysene | ND | | ug/l | 0.10 | 0.04 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.04 |
| Anthracene | ND | | ug/l | 0.10 | 0.04 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.04 |
| Fluorene | ND | | ug/l | 0.10 | 0.04 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.04 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.04 |
| Pyrene | ND | | ug/l | 0.10 | 0.04 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.05 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.22 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.03 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.03 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 08:24
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124355-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 47 | | 21-120 |
| Phenol-d6 | 36 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 23-120 |
| 2-Fluorobiphenyl | 69 | | 15-120 |
| 2,4,6-Tribromophenol | 97 | | 10-120 |
| 4-Terphenyl-d14 | 86 | | 41-149 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 06/12/18 10:49
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/11/18 10:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 37-38 Batch: WG1124581-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 2.00 | 0.131 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 2.00 | 0.086 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 2.00 | 0.110 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 2.00 | 0.126 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 2.00 | 0.092 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.612 | J | ng/l | 2.00 | 0.108 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 2.00 | 0.050 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 0.332 | J | ng/l | 2.00 | 0.194 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.00 | 0.155 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 2.00 | 0.101 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.284 | J | ng/l | 2.00 | 0.112 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 2.00 | 0.190 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.00 | 0.291 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.00 | 0.250 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 2.00 | 0.191 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.00 | 0.222 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.00 | 0.227 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.00 | 0.373 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.00 | 0.092 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.00 | 0.090 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.00 | 0.072 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 06/12/18 10:49
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/11/18 10:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 37-38 Batch: WG1124581-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | **3** | Q | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | **3** | Q | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 86 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | **4** | Q | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | **7** | Q | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 94 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | **11** | Q | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 80 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | **14** | Q | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 83 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | **19** | Q | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 86 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | **47** | Q | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | **27** | Q | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **32** | Q | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 52 | | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | **35** | Q | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | **41** | Q | 50-150 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/12/18 11:12
Analyst: TJ

Extraction Method: EPA 3510C
Extraction Date: 06/11/18 16:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 19-22,37-38 Batch: WG1124630-1 | | | | | |
| 1,4-Dioxane | ND | | ng/l | 150 | 75.0 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Dioxane-d8 | 30 | | 15-110 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 06/18/18 11:02
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/15/18 09:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 19-22 Batch: WG1126304-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 2.00 | 0.131 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 2.00 | 0.086 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 2.00 | 0.110 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 2.00 | 0.126 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 2.00 | 0.092 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 2.00 | 0.108 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 2.00 | 0.050 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 2.00 | 0.194 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.00 | 0.155 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 2.00 | 0.101 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 2.00 | 0.112 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 2.00 | 0.190 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.00 | 0.291 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.00 | 0.250 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 2.00 | 0.191 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.00 | 0.222 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.00 | 0.227 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.00 | 0.373 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.00 | 0.092 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.00 | 0.090 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.00 | 0.072 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 06/18/18 11:02
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 06/15/18 09:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 19-22 Batch: WG1126304-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 106 | | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 128 | | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 115 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 99 | | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 85 | | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 112 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 107 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 108 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 105 | | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 115 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 96 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 97 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 80 | | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 94 | | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **46** | Q | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 80 | | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 86 | | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 83 | | 50-150 |



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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 Batch: WG1124120-2 WG1124120-3 | | | | | | | | |
| Acenaphthene | 79 | | 84 | | 31-137 | 6 | | 50 |
| 1,2,4-Trichlorobenzene | 75 | | 81 | | 38-107 | 8 | | 50 |
| Hexachlorobenzene | 81 | | 84 | | 40-140 | 4 | | 50 |
| Bis(2-chloroethyl)ether | 79 | | 83 | | 40-140 | 5 | | 50 |
| 2-Chloronaphthalene | 82 | | 89 | | 40-140 | 8 | | 50 |
| 1,2-Dichlorobenzene | 74 | | 81 | | 40-140 | 9 | | 50 |
| 1,3-Dichlorobenzene | 74 | | 80 | | 40-140 | 8 | | 50 |
| 1,4-Dichlorobenzene | 71 | | 80 | | 28-104 | 12 | | 50 |
| 3,3'-Dichlorobenzidine | 73 | | 78 | | 40-140 | 7 | | 50 |
| 2,4-Dinitrotoluene | 95 | | 101 | | 40-132 | 6 | | 50 |
| 2,6-Dinitrotoluene | 99 | | 102 | | 40-140 | 3 | | 50 |
| Fluoranthene | 84 | | 88 | | 40-140 | 5 | | 50 |
| 4-Chlorophenyl phenyl ether | 79 | | 83 | | 40-140 | 5 | | 50 |
| 4-Bromophenyl phenyl ether | 83 | | 86 | | 40-140 | 4 | | 50 |
| Bis(2-chloroisopropyl)ether | 81 | | 88 | | 40-140 | 8 | | 50 |
| Bis(2-chloroethoxy)methane | 84 | | 92 | | 40-117 | 9 | | 50 |
| Hexachlorobutadiene | 74 | | 81 | | 40-140 | 9 | | 50 |
| Hexachlorocyclopentadiene | 89 | | 98 | | 40-140 | 10 | | 50 |
| Hexachloroethane | 76 | | 82 | | 40-140 | 8 | | 50 |
| Isophorone | 87 | | 99 | | 40-140 | 13 | | 50 |
| Naphthalene | 79 | | 87 | | 40-140 | 10 | | 50 |
| Nitrobenzene | 81 | | 87 | | 40-140 | 7 | | 50 |
| NDPA/DPA | 84 | | 89 | | 36-157 | 6 | | 50 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 Batch: WG1124120-2 WG1124120-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 85 | | 93 | | 32-121 | 9 | | 50 |
| Bis(2-ethylhexyl)phthalate | 100 | | 106 | | 40-140 | 6 | | 50 |
| Butyl benzyl phthalate | 100 | | 105 | | 40-140 | 5 | | 50 |
| Di-n-butylphthalate | 93 | | 99 | | 40-140 | 6 | | 50 |
| Di-n-octylphthalate | 98 | | 104 | | 40-140 | 6 | | 50 |
| Diethyl phthalate | 87 | | 91 | | 40-140 | 4 | | 50 |
| Dimethyl phthalate | 94 | | 96 | | 40-140 | 2 | | 50 |
| Benzo(a)anthracene | 83 | | 88 | | 40-140 | 6 | | 50 |
| Benzo(a)pyrene | 90 | | 94 | | 40-140 | 4 | | 50 |
| Benzo(b)fluoranthene | 86 | | 89 | | 40-140 | 3 | | 50 |
| Benzo(k)fluoranthene | 88 | | 92 | | 40-140 | 4 | | 50 |
| Chrysene | 80 | | 85 | | 40-140 | 6 | | 50 |
| Acenaphthylene | 88 | | 93 | | 40-140 | 6 | | 50 |
| Anthracene | 83 | | 89 | | 40-140 | 7 | | 50 |
| Benzo(ghi)perylene | 93 | | 98 | | 40-140 | 5 | | 50 |
| Fluorene | 83 | | 88 | | 40-140 | 6 | | 50 |
| Phenanthrene | 82 | | 86 | | 40-140 | 5 | | 50 |
| Dibenzo(a,h)anthracene | 99 | | 105 | | 40-140 | 6 | | 50 |
| Indeno(1,2,3-cd)pyrene | 94 | | 100 | | 40-140 | 6 | | 50 |
| Pyrene | 83 | | 87 | | 35-142 | 5 | | 50 |
| Biphenyl | 85 | | 94 | | 54-104 | 10 | | 50 |
| 4-Chloroaniline | 69 | | 74 | | 40-140 | 7 | | 50 |
| 2-Nitroaniline | 98 | | 104 | | 47-134 | 6 | | 50 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 Batch: WG1124120-2 WG1124120-3 | | | | | | | | |
| 3-Nitroaniline | 75 | | 76 | | 26-129 | 1 | | 50 |
| 4-Nitroaniline | 84 | | 86 | | 41-125 | 2 | | 50 |
| Dibenzofuran | 80 | | 86 | | 40-140 | 7 | | 50 |
| 2-Methylnaphthalene | 82 | | 87 | | 40-140 | 6 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 81 | | 87 | | 40-117 | 7 | | 50 |
| Acetophenone | 80 | | 87 | | 14-144 | 8 | | 50 |
| 2,4,6-Trichlorophenol | 93 | | 100 | | 30-130 | 7 | | 50 |
| p-Chloro-m-cresol | 96 | | 100 | | 26-103 | 4 | | 50 |
| 2-Chlorophenol | 87 | | 94 | | 25-102 | 8 | | 50 |
| 2,4-Dichlorophenol | 94 | | 101 | | 30-130 | 7 | | 50 |
| 2,4-Dimethylphenol | 93 | | 104 | | 30-130 | 11 | | 50 |
| 2-Nitrophenol | 97 | | 111 | | 30-130 | 13 | | 50 |
| 4-Nitrophenol | 99 | | 105 | | 11-114 | 6 | | 50 |
| 2,4-Dinitrophenol | 84 | | 95 | | 4-130 | 12 | | 50 |
| 4,6-Dinitro-o-cresol | 99 | | 103 | | 10-130 | 4 | | 50 |
| Pentachlorophenol | 79 | | 84 | | 17-109 | 6 | | 50 |
| Phenol | 87 | | **93** | Q | 26-90 | 7 | | 50 |
| 2-Methylphenol | 88 | | 96 | | 30-130. | 9 | | 50 |
| 3-Methylphenol/4-Methylphenol | 90 | | 98 | | 30-130 | 9 | | 50 |
| 2,4,5-Trichlorophenol | 98 | | 103 | | 30-130 | 5 | | 50 |
| Benzoic Acid | 46 | | 70 | | 10-110 | 41 | | 50 |
| Benzyl Alcohol | 90 | | 95 | | 40-140 | 5 | | 50 |
| Carbazole | 86 | | 90 | | 54-128 | 5 | | 50 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 Batch: WG1124120-2 WG1124120-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 85 | | 94 | | 25-120 |
| Phenol-d6 | 89 | | 96 | | 10-120 |
| Nitrobenzene-d5 | 84 | | 91 | | 23-120 |
| 2-Fluorobiphenyl | 86 | | 97 | | 30-120 |
| 2,4,6-Tribromophenol | 97 | | 104 | | 10-136 |
| 4-Terphenyl-d14 | 84 | | 92 | | 18-120 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 Batch: WG1124214-2 WG1124214-3 | | | | | | | | |
| Acenaphthene | 79 | | 82 | | 31-137 | 4 | | 50 |
| 1,2,4-Trichlorobenzene | 78 | | 75 | | 38-107 | 4 | | 50 |
| Hexachlorobenzene | 78 | | 80 | | 40-140 | 3 | | 50 |
| Bis(2-chloroethyl)ether | 83 | | 79 | | 40-140 | 5 | | 50 |
| 2-Chloronaphthalene | 80 | | 81 | | 40-140 | 1 | | 50 |
| 1,2-Dichlorobenzene | 76 | | 68 | | 40-140 | 11 | | 50 |
| 1,3-Dichlorobenzene | 74 | | 66 | | 40-140 | 11 | | 50 |
| 1,4-Dichlorobenzene | 75 | | 67 | | 28-104 | 11 | | 50 |
| 3,3'-Dichlorobenzidine | 64 | | 68 | | 40-140 | 6 | | 50 |
| 2,4-Dinitrotoluene | 97 | | 100 | | 40-132 | 3 | | 50 |
| 2,6-Dinitrotoluene | 90 | | 94 | | 40-140 | 4 | | 50 |
| Fluoranthene | 85 | | 87 | | 40-140 | 2 | | 50 |
| 4-Chlorophenyl phenyl ether | 84 | | 85 | | 40-140 | 1 | | 50 |
| 4-Bromophenyl phenyl ether | 83 | | 85 | | 40-140 | 2 | | 50 |
| Bis(2-chloroisopropyl)ether | 101 | | 96 | | 40-140 | 5 | | 50 |
| Bis(2-chloroethoxy)methane | 87 | | 86 | | 40-117 | 1 | | 50 |
| Hexachlorobutadiene | 78 | | 76 | | 40-140 | 3 | | 50 |
| Hexachlorocyclopentadiene | 87 | | 86 | | 40-140 | 1 | | 50 |
| Hexachloroethane | 79 | | 71 | | 40-140 | 11 | | 50 |
| Isophorone | 87 | | 85 | | 40-140 | 2 | | 50 |
| Naphthalene | 77 | | 75 | | 40-140 | 3 | | 50 |
| Nitrobenzene | 88 | | 87 | | 40-140 | 1 | | 50 |
| NDPA/DPA | 82 | | 86 | | 36-157 | 5 | | 50 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 Batch: WG1124214-2 WG1124214-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 87 | | 85 | | 32-121 | 2 | | 50 |
| Bis(2-ethylhexyl)phthalate | 95 | | 97 | | 40-140 | 2 | | 50 |
| Butyl benzyl phthalate | 94 | | 97 | | 40-140 | 3 | | 50 |
| Di-n-butylphthalate | 90 | | 93 | | 40-140 | 3 | | 50 |
| Di-n-octylphthalate | 97 | | 99 | | 40-140 | 2 | | 50 |
| Diethyl phthalate | 87 | | 91 | | 40-140 | 4 | | 50 |
| Dimethyl phthalate | 83 | | 85 | | 40-140 | 2 | | 50 |
| Benzo(a)anthracene | 82 | | 86 | | 40-140 | 5 | | 50 |
| Benzo(a)pyrene | 84 | | 86 | | 40-140 | 2 | | 50 |
| Benzo(b)fluoranthene | 84 | | 83 | | 40-140 | 1 | | 50 |
| Benzo(k)fluoranthene | 79 | | 82 | | 40-140 | 4 | | 50 |
| Chrysene | 82 | | 81 | | 40-140 | 1 | | 50 |
| Acenaphthylene | 84 | | 86 | | 40-140 | 2 | | 50 |
| Anthracene | 84 | | 87 | | 40-140 | 4 | | 50 |
| Benzo(ghi)perylene | 83 | | 84 | | 40-140 | 1 | | 50 |
| Fluorene | 83 | | 86 | | 40-140 | 4 | | 50 |
| Phenanthrene | 81 | | 85 | | 40-140 | 5 | | 50 |
| Dibenzo(a,h)anthracene | 82 | | 85 | | 40-140 | 4 | | 50 |
| Indeno(1,2,3-cd)pyrene | 86 | | 87 | | 40-140 | 1 | | 50 |
| Pyrene | 84 | | 85 | | 35-142 | 1 | | 50 |
| Biphenyl | 82 | | 83 | | 54-104 | 1 | | 50 |
| 4-Chloroaniline | 76 | | 83 | | 40-140 | 9 | | 50 |
| 2-Nitroaniline | 93 | | 95 | | 47-134 | 2 | | 50 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 Batch: WG1124214-2 WG1124214-3 | | | | | | | | |
| 3-Nitroaniline | 76 | | 77 | | 26-129 | 1 | | 50 |
| 4-Nitroaniline | 86 | | 89 | | 41-125 | 3 | | 50 |
| Dibenzofuran | 83 | | 85 | | 40-140 | 2 | | 50 |
| 2-Methylnaphthalene | 82 | | 81 | | 40-140 | 1 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 81 | | 80 | | 40-117 | 1 | | 50 |
| Acetophenone | 82 | | 80 | | 14-144 | 2 | | 50 |
| 2,4,6-Trichlorophenol | 88 | | 89 | | 30-130 | 1 | | 50 |
| p-Chloro-m-cresol | 88 | | 90 | | 26-103 | 2 | | 50 |
| 2-Chlorophenol | 81 | | 80 | | 25-102 | 1 | | 50 |
| 2,4-Dichlorophenol | 89 | | 88 | | 30-130 | 1 | | 50 |
| 2,4-Dimethylphenol | 88 | | 88 | | 30-130 | 0 | | 50 |
| 2-Nitrophenol | 90 | | 88 | | 30-130 | 2 | | 50 |
| 4-Nitrophenol | 110 | | 108 | | 11-114 | 2 | | 50 |
| 2,4-Dinitrophenol | 94 | | 102 | | 4-130 | 8 | | 50 |
| 4,6-Dinitro-o-cresol | 108 | | 114 | | 10-130 | 5 | | 50 |
| Pentachlorophenol | 79 | | 83 | | 17-109 | 5 | | 50 |
| Phenol | 83 | | 79 | | 26-90 | 5 | | 50 |
| 2-Methylphenol | 89 | | 88 | | 30-130. | 1 | | 50 |
| 3-Methylphenol/4-Methylphenol | 87 | | 88 | | 30-130 | 1 | | 50 |
| 2,4,5-Trichlorophenol | 88 | | 90 | | 30-130 | 2 | | 50 |
| Benzoic Acid | 50 | | 63 | | 10-110 | 23 | | 50 |
| Benzyl Alcohol | 94 | | 89 | | 40-140 | 5 | | 50 |
| Carbazole | 86 | | 88 | | 54-128 | 2 | | 50 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 Batch: WG1124214-2 WG1124214-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 85 | | 80 | | 25-120 |
| Phenol-d6 | 90 | | 88 | | 10-120 |
| Nitrobenzene-d5 | 91 | | 87 | | 23-120 |
| 2-Fluorobiphenyl | 84 | | 85 | | 30-120 |
| 2,4,6-Tribromophenol | 87 | | 89 | | 10-136 |
| 4-Terphenyl-d14 | 85 | | 86 | | 18-120 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124354-2 WG1124354-3 | | | | | | | | |
| Acenaphthene | 74 | | 74 | | 37-111 | 0 | | 30 |
| 1,2,4-Trichlorobenzene | 58 | | 61 | | 39-98 | 5 | | 30 |
| Hexachlorobenzene | 80 | | 82 | | 40-140 | 2 | | 30 |
| Bis(2-chloroethyl)ether | 76 | | 81 | | 40-140 | 6 | | 30 |
| 2-Chloronaphthalene | 68 | | 69 | | 40-140 | 1 | | 30 |
| 1,2-Dichlorobenzene | 54 | | 59 | | 40-140 | 9 | | 30 |
| 1,3-Dichlorobenzene | 53 | | 56 | | 40-140 | 6 | | 30 |
| 1,4-Dichlorobenzene | 54 | | 57 | | 36-97 | 5 | | 30 |
| 3,3'-Dichlorobenzidine | 72 | | 76 | | 40-140 | 5 | | 30 |
| 2,4-Dinitrotoluene | 101 | | 102 | | 48-143 | 1 | | 30 |
| 2,6-Dinitrotoluene | 97 | | 97 | | 40-140 | 0 | | 30 |
| Fluoranthene | 88 | | 89 | | 40-140 | 1 | | 30 |
| 4-Chlorophenyl phenyl ether | 81 | | 81 | | 40-140 | 0 | | 30 |
| 4-Bromophenyl phenyl ether | 82 | | 85 | | 40-140 | 4 | | 30 |
| Bis(2-chloroisopropyl)ether | 86 | | 92 | | 40-140 | 7 | | 30 |
| Bis(2-chloroethoxy)methane | 81 | | 87 | | 40-140 | 7 | | 30 |
| Hexachlorobutadiene | 54 | | 58 | | 40-140 | 7 | | 30 |
| Hexachlorocyclopentadiene | 53 | | 55 | | 40-140 | 4 | | 30 |
| Hexachloroethane | 53 | | 57 | | 40-140 | 7 | | 30 |
| Isophorone | 84 | | 89 | | 40-140 | 6 | | 30 |
| Naphthalene | 60 | | 62 | | 40-140 | 3 | | 30 |
| Nitrobenzene | 82 | | 86 | | 40-140 | 5 | | 30 |
| NDPA/DPA | 85 | | 86 | | 40-140 | 1 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124354-2 WG1124354-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 82 | | 88 | | 29-132 | 7 | | 30 |
| Bis(2-ethylhexyl)phthalate | 95 | | 98 | | 40-140 | 3 | | 30 |
| Butyl benzyl phthalate | 100 | | 101 | | 40-140 | 1 | | 30 |
| Di-n-butylphthalate | 93 | | 96 | | 40-140 | 3 | | 30 |
| Di-n-octylphthalate | 99 | | 102 | | 40-140 | 3 | | 30 |
| Diethyl phthalate | 91 | | 93 | | 40-140 | 2 | | 30 |
| Dimethyl phthalate | 88 | | 89 | | 40-140 | 1 | | 30 |
| Benzo(a)anthracene | 84 | | 87 | | 40-140 | 4 | | 30 |
| Benzo(a)pyrene | 86 | | 86 | | 40-140 | 0 | | 30 |
| Benzo(b)fluoranthene | 86 | | 87 | | 40-140 | 1 | | 30 |
| Benzo(k)fluoranthene | 81 | | 80 | | 40-140 | 1 | | 30 |
| Chrysene | 83 | | 82 | | 40-140 | 1 | | 30 |
| Acenaphthylene | 78 | | 79 | | 45-123 | 1 | | 30 |
| Anthracene | 84 | | 87 | | 40-140 | 4 | | 30 |
| Benzo(ghi)perylene | 84 | | 86 | | 40-140 | 2 | | 30 |
| Fluorene | 82 | | 83 | | 40-140 | 1 | | 30 |
| Phenanthrene | 82 | | 84 | | 40-140 | 2 | | 30 |
| Dibenzo(a,h)anthracene | 84 | | 86 | | 40-140 | 2 | | 30 |
| Indeno(1,2,3-cd)pyrene | 88 | | 89 | | 40-140 | 1 | | 30 |
| Pyrene | 86 | | 88 | | 26-127 | 2 | | 30 |
| Biphenyl | 70 | | 72 | | 40-140 | 3 | | 30 |
| 4-Chloroaniline | 79 | | 74 | | 40-140 | 7 | | 30 |
| 2-Nitroaniline | 95 | | 98 | | 52-143 | 3 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124354-2 WG1124354-3 | | | | | | | | |
| 3-Nitroaniline | 81 | | 79 | | 25-145 | 3 | | 30 |
| 4-Nitroaniline | 88 | | 86 | | 51-143 | 2 | | 30 |
| Dibenzofuran | 80 | | 80 | | 40-140 | 0 | | 30 |
| 2-Methylnaphthalene | 64 | | 67 | | 40-140 | 5 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 62 | | 65 | | 2-134 | 5 | | 30 |
| Acetophenone | 76 | | 81 | | 39-129 | 6 | | 30 |
| 2,4,6-Trichlorophenol | 89 | | 92 | | 30-130 | 3 | | 30 |
| p-Chloro-m-cresol | 87 | | 88 | | 23-97 | 1 | | 30 |
| 2-Chlorophenol | 73 | | 76 | | 27-123 | 4 | | 30 |
| 2,4-Dichlorophenol | 82 | | 88 | | 30-130 | 7 | | 30 |
| 2,4-Dimethylphenol | 82 | | 86 | | 30-130 | 5 | | 30 |
| 2-Nitrophenol | 84 | | 88 | | 30-130 | 5 | | 30 |
| 4-Nitrophenol | 71 | | 73 | | 10-80 | 3 | | 30 |
| 2,4-Dinitrophenol | 94 | | 100 | | 20-130 | 6 | | 30 |
| 4,6-Dinitro-o-cresol | 117 | | 120 | | 20-164 | 3 | | 30 |
| Pentachlorophenol | 79 | | 85 | | 9-103 | 7 | | 30 |
| Phenol | 41 | | 43 | | 12-110 | 5 | | 30 |
| 2-Methylphenol | 75 | | 78 | | 30-130 | 4 | | 30 |
| 3-Methylphenol/4-Methylphenol | 74 | | 74 | | 30-130 | 0 | | 30 |
| 2,4,5-Trichlorophenol | 87 | | 89 | | 30-130 | 2 | | 30 |
| Benzoic Acid | 14 | | 21 | | 10-164 | **40** | Q | 30 |
| Benzyl Alcohol | 73 | | 76 | | 26-116 | 4 | | 30 |
| Carbazole | 87 | | 90 | | 55-144 | 3 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124354-2 WG1124354-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 51 | | 53 | | 21-120 |
| Phenol-d6 | 40 | | 42 | | 10-120 |
| Nitrobenzene-d5 | 76 | | 83 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 77 | | 15-120 |
| 2,4,6-Tribromophenol | 82 | | 84 | | 10-120 |
| 4-Terphenyl-d14 | 83 | | 84 | | 41-149 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124355-2 WG1124355-3 | | | | | | | | |
| Acenaphthene | 79 | | 78 | | 40-140 | 1 | | 40 |
| 2-Chloronaphthalene | 74 | | 72 | | 40-140 | 3 | | 40 |
| Fluoranthene | 89 | | 90 | | 40-140 | 1 | | 40 |
| Hexachlorobutadiene | 64 | | 62 | | 40-140 | 3 | | 40 |
| Naphthalene | 71 | | 69 | | 40-140 | 3 | | 40 |
| Benzo(a)anthracene | 84 | | 84 | | 40-140 | 0 | | 40 |
| Benzo(a)pyrene | 85 | | 86 | | 40-140 | 1 | | 40 |
| Benzo(b)fluoranthene | 90 | | 91 | | 40-140 | 1 | | 40 |
| Benzo(k)fluoranthene | 85 | | 85 | | 40-140 | 0 | | 40 |
| Chrysene | 83 | | 84 | | 40-140 | 1 | | 40 |
| Acenaphthylene | 81 | | 80 | | 40-140 | 1 | | 40 |
| Anthracene | 86 | | 86 | | 40-140 | 0 | | 40 |
| Benzo(ghi)perylene | 77 | | 78 | | 40-140 | 1 | | 40 |
| Fluorene | 85 | | 83 | | 40-140 | 2 | | 40 |
| Phenanthrene | 84 | | 83 | | 40-140 | 1 | | 40 |
| Dibenzo(a,h)anthracene | 72 | | 72 | | 40-140 | 0 | | 40 |
| Indeno(1,2,3-cd)pyrene | 79 | | 79 | | 40-140 | 0 | | 40 |
| Pyrene | 87 | | 88 | | 40-140 | 1 | | 40 |
| 2-Methylnaphthalene | 71 | | 70 | | 40-140 | 1 | | 40 |
| Pentachlorophenol | 70 | | 63 | | 40-140 | 11 | | 40 |
| Hexachlorobenzene | 108 | | 108 | | 40-140 | 0 | | 40 |
| Hexachloroethane | 65 | | 63 | | 40-140 | 3 | | 40 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124355-2 WG1124355-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 51 | | 48 | | 21-120 |
| Phenol-d6 | 39 | | 37 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 73 | | 23-120 |
| 2-Fluorobiphenyl | 69 | | 66 | | 15-120 |
| 2,4,6-Tribromophenol | 96 | | 92 | | 10-120 |
| 4-Terphenyl-d14 | 78 | | 77 | | 41-149 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 37-38 Batch: WG1124581-2 WG1124581-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 113 | | 94 | | 50-150 | 18 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | **171** | Q | **176** | Q | 50-150 | 3 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | **164** | Q | **163** | Q | 50-150 | 1 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | **174** | Q | **168** | Q | 50-150 | 4 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | **175** | Q | **171** | Q | 50-150 | 2 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | **184** | Q | **182** | Q | 50-150 | 1 | | 30 |
| Perfluorooctanoic Acid (PFOA) | **159** | Q | **166** | Q | 50-150 | 4 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | **173** | Q | **154** | Q | 50-150 | 12 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | **187** | Q | **184** | Q | 50-150 | 2 | | 30 |
| Perfluorononanoic Acid (PFNA) | **174** | Q | **171** | Q | 50-150 | 2 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | **170** | Q | **162** | Q | 50-150 | 5 | | 30 |
| Perfluorodecanoic Acid (PFDA) | **157** | Q | **166** | Q | 50-150 | 6 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | **178** | Q | 141 | | 50-150 | 23 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | **172** | Q | **162** | Q | 50-150 | 6 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 149 | | 148 | | 50-150 | 1 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | **409** | Q | **582** | Q | 50-150 | **35** | Q | 30 |
| Perfluorooctanesulfonamide (FOSA) | **165** | Q | **176** | Q | 50-150 | 6 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | **173** | Q | **163** | Q | 50-150 | 6 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 147 | | **154** | Q | 50-150 | 5 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | **179** | Q | **179** | Q | 50-150 | 0 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | **181** | Q | **173** | Q | 50-150 | 5 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 37-38 Batch: WG1124581-2 WG1124581-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | **3** | Q | **2** | Q | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | **3** | Q | **2** | Q | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 76 | | 76 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | **4** | Q | **2** | Q | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | **6** | Q | **4** | Q | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 83 | | 85 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | **10** | Q | **6** | Q | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 62 | | 68 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | **14** | Q | **9** | Q | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 69 | | 74 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | **20** | Q | **14** | Q | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 67 | | 68 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | **49** | Q | **47** | Q | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | **27** | Q | **20** | Q | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **30** | Q | **24** | Q | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 50 | | **48** | Q | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | **35** | Q | **28** | Q | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | **44** | Q | **37** | Q | 50-150 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 19-22,37-38 Batch: WG1124630-2 WG1124630-3 | | | | | | | | |
| 1,4-Dioxane | 107 | | 108 | | 40-140 | 1 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,4-Dioxane-d8 | 43 | | 35 | | 15-110 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 19-22 Batch: WG1126304-2 WG1126304-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 103 | | 107 | | 50-150 | 4 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 103 | | 106 | | 50-150 | 3 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 106 | | 111 | | 50-150 | 5 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 113 | | 117 | | 50-150 | 3 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 106 | | 108 | | 50-150 | 2 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 120 | | 122 | | 50-150 | 2 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 103 | | 113 | | 50-150 | 9 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 106 | | 96 | | 50-150 | 10 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 100 | | 99 | | 50-150 | 1 | | 30 |
| Perfluorononanoic Acid (PFNA) | 108 | | 121 | | 50-150 | 11 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 88 | | 95 | | 50-150 | 8 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 108 | | 114 | | 50-150 | 5 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 89 | | 114 | | 50-150 | 25 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 104 | | 123 | | 50-150 | 17 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 87 | | 102 | | 50-150 | 16 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 92 | | 92 | | 50-150 | 0 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 98 | | 100 | | 50-150 | 2 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 96 | | 92 | | 50-150 | 4 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 104 | | 116 | | 50-150 | 11 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | 94 | | 97 | | 50-150 | 3 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 116 | | 117 | | 50-150 | 1 | | 30 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 19-22 Batch: WG1126304-2 WG1126304-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 111 | | 106 | | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 138 | | 134 | | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 115 | | 110 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 100 | | 93 | | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 92 | | 89 | | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 120 | | 118 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 113 | | 102 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 100 | | 99 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 106 | | 96 | | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 122 | | 116 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 108 | | 106 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 107 | | 104 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 85 | | 75 | | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 112 | | 101 | | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **37** | Q | 67 | | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 85 | | 84 | | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 107 | | 107 | | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 98 | | 95 | | 50-150 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1124214-4 WG1124214-5 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| Acenaphthene | 470 | 1430 | 1300 | 58 | | 1700 | 86 | | 31-137 | 27 | | 50 |
| 1,2,4-Trichlorobenzene | ND | 1430 | 1000 | 70 | | 1200 | 84 | | 38-107 | 18 | | 50 |
| Hexachlorobenzene | ND | 1430 | 1000 | 70 | | 1100 | 77 | | 40-140 | 10 | | 50 |
| Bis(2-chloroethyl)ether | ND | 1430 | 1000 | 70 | | 1200 | 84 | | 40-140 | 18 | | 50 |
| 2-Chloronaphthalene | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 40-140 | 9 | | 50 |
| 1,2-Dichlorobenzene | ND | 1430 | 980 | 69 | | 1100 | 77 | | 40-140 | 12 | | 50 |
| 1,3-Dichlorobenzene | ND | 1430 | 970 | 68 | | 1100 | 77 | | 40-140 | 13 | | 50 |
| 1,4-Dichlorobenzene | ND | 1430 | 950 | 67 | | 1100 | 77 | | 28-104 | 15 | | 50 |
| 3,3'-Dichlorobenzidine | ND | 1430 | 720 | 50 | | 820 | 57 | | 40-140 | 13 | | 50 |
| 2,4-Dinitrotoluene | ND | 1430 | 870 | 61 | | 1000 | 70 | | 40-132 | 14 | | 50 |
| 2,6-Dinitrotoluene | ND | 1430 | 900 | 63 | | 1000 | 70 | | 40-140 | 11 | | 50 |
| Fluoranthene | 6100 | 1430 | 4900 | **0** | Q | 7900E | 130 | | 40-140 | 47 | | 50 |
| 4-Chlorophenyl phenyl ether | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 40-140 | 9 | | 50 |
| 4-Bromophenyl phenyl ether | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 40-140 | 9 | | 50 |
| Bis(2-chloroisopropyl)ether | ND | 1430 | 1300 | 91 | | 1400 | 98 | | 40-140 | 7 | | 50 |
| Bis(2-chloroethoxy)methane | ND | 1430 | 1100 | 77 | | 1300 | 91 | | 40-117 | 17 | | 50 |
| Hexachlorobutadiene | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 40-140 | 9 | | 50 |
| Hexachlorocyclopentadiene | ND | 1430 | 520 | **36** | Q | 640 | 45 | | 40-140 | 21 | | 50 |
| Hexachloroethane | ND | 1430 | 930 | 65 | | 1100 | 77 | | 40-140 | 17 | | 50 |
| Isophorone | ND | 1430 | 1100 | 77 | | 1300 | 91 | | 40-140 | 17 | | 50 |
| Naphthalene | 250 | 1430 | 1100 | 60 | | 1500 | 87 | | 40-140 | 31 | | 50 |
| Nitrobenzene | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 40-140 | 8 | | 50 |
| NDPA/DPA | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 36-157 | 9 | | 50 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1124214-4 WG1124214-5 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| n-Nitrosodi-n-propylamine | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 32-121 | 9 | | 50 |
| Bis(2-ethylhexyl)phthalate | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 40-140 | 8 | | 50 |
| Butyl benzyl phthalate | ND | 1430 | 1200 | 84 | | 1400 | 98 | | 40-140 | 15 | | 50 |
| Di-n-butylphthalate | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 40-140 | 8 | | 50 |
| Di-n-octylphthalate | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 40-140 | 8 | | 50 |
| Diethyl phthalate | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 40-140 | 9 | | 50 |
| Dimethyl phthalate | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 40-140 | 9 | | 50 |
| Benzo(a)anthracene | 2800 | 1430 | 2700 | **0** | Q | 3900 | 77 | | 40-140 | 36 | | 50 |
| Benzo(a)pyrene | 2400 | 1430 | 2500 | **7** | Q | 3500 | 77 | | 40-140 | 33 | | 50 |
| Benzo(b)fluoranthene | 3100 | 1430 | 2800 | **0** | Q | 4500 | 98 | | 40-140 | 47 | | 50 |
| Benzo(k)fluoranthene | 940 | 1430 | 1600 | 46 | | 1700 | 53 | | 40-140 | 6 | | 50 |
| Chrysene | 2600 | 1430 | 2600 | **0** | Q | 3600 | 70 | | 40-140 | 32 | | 50 |
| Acenaphthylene | 260 | 1430 | 1300 | 73 | | 1500 | 86 | | 40-140 | 14 | | 50 |
| Anthracene | 1300 | 1430 | 1800 | **35** | Q | 2500 | 84 | | 40-140 | 33 | | 50 |
| Benzo(ghi)perylene | 1500 | 1430 | 2000 | **35** | Q | 2600 | 77 | | 40-140 | 26 | | 50 |
| Fluorene | 410 | 1430 | 1300 | 62 | | 1600 | 83 | | 40-140 | 21 | | 50 |
| Phenanthrene | 5300 | 1430 | 4200 | **0** | Q | 7300E | 140 | | 40-140 | **54** | Q | 50 |
| Dibenzo(a,h)anthracene | 390 | 1430 | 1200 | 57 | | 1500 | 77 | | 40-140 | 22 | | 50 |
| Indeno(1,2,3-cd)pyrene | 1600 | 1430 | 2100 | **35** | Q | 2900 | 91 | | 40-140 | 32 | | 50 |
| Pyrene | 5400 | 1430 | 4500 | **0** | Q | 7100 | 120 | | 35-142 | 45 | | 50 |
| Biphenyl | 46.J | 1430 | 1100 | 77 | | 1200 | 84 | | 54-104 | 9 | | 50 |
| 4-Chloroaniline | ND | 1430 | 840 | 59 | | 1200 | 84 | | 40-140 | 35 | | 50 |
| 2-Nitroaniline | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 47-134 | 8 | | 50 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1124214-4 WG1124214-5 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| 3-Nitroaniline | ND | 1430 | 1200 | 84 | | 1400 | 98 | | 26-129 | 15 | | 50 |
| 4-Nitroaniline | ND | 1430 | 1300 | 91 | | 1400 | 98 | | 41-125 | 7 | | 50 |
| Dibenzofuran | 380 | 1430 | 1300 | 64 | | 1700 | 92 | | 40-140 | 27 | | 50 |
| 2-Methylnaphthalene | 120J | 1430 | 1200 | 84 | | 1400 | 98 | | 40-140 | 15 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 40-117 | 9 | | 50 |
| Acetophenone | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 14-144 | 9 | | 50 |
| 2,4,6-Trichlorophenol | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 30-130 | 8 | | 50 |
| p-Chloro-m-cresol | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 26-103 | 8 | | 50 |
| 2-Chlorophenol | ND | 1430 | 1100 | 77 | | 1200 | 84 | | 25-102 | 9 | | 50 |
| 2,4-Dichlorophenol | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 30-130 | 8 | | 50 |
| 2,4-Dimethylphenol | ND | 1430 | 1100 | 77 | | 1300 | 91 | | 30-130 | 17 | | 50 |
| 2-Nitrophenol | ND | 1430 | 500 | 35 | | 700 | 49 | | 30-130 | 33 | | 50 |
| 4-Nitrophenol | ND | 1430 | 800 | 56 | | 910 | 63 | | 11-114 | 13 | | 50 |
| 2,4-Dinitrophenol | ND | 1430 | ND | **0** | Q | ND | **0** | Q | 4-130 | NC | | 50 |
| 4,6-Dinitro-o-cresol | ND | 1430 | ND | **0** | Q | 130J | **9** | Q | 10-130 | NC | | 50 |
| Pentachlorophenol | ND | 1430 | 920 | 64 | | 1000 | 70 | | 17-109 | 8 | | 50 |
| Phenol | ND | 1430 | 1000 | 70 | | 1200 | 84 | | 26-90 | 18 | | 50 |
| 2-Methylphenol | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 30-130. | 8 | | 50 |
| 3-Methylphenol/4-Methylphenol | ND | 1430 | 1100 | 77 | | 1300 | 91 | | 30-130 | 17 | | 50 |
| 2,4,5-Trichlorophenol | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 30-130 | 8 | | 50 |
| Benzoic Acid | ND | 1430 | ND | **0** | Q | ND | **0** | Q | 10-110 | NC | | 50 |
| Benzyl Alcohol | ND | 1430 | 1200 | 84 | | 1300 | 91 | | 40-140 | 8 | | 50 |
| Carbazole | 550 | 1430 | 1400 | 60 | | 1900 | 94 | | 54-128 | 30 | | 50 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1124214-4 WG1124214-5 QC Sample: L1820814-35 Client ID: SS-3B

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,6-Tribromophenol | 84 | | 86 | | 10-136 |
| 2-Fluorobiphenyl | 77 | | 85 | | 30-120 |
| 2-Fluorophenol | 75 | | 84 | | 25-120 |
| 4-Terphenyl-d14 | 75 | | 82 | | 18-120 |
| Nitrobenzene-d5 | 81 | | 90 | | 23-120 |
| Phenol-d6 | 81 | | 90 | | 10-120 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1124214-6 WG1124214-7 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| Acenaphthene | 620 | 1530 | 1300 | 45 | | 1500 | 58 | | 31-137 | 14 | | 50 |
| 1,2,4-Trichlorobenzene | ND | 1530 | 1000 | 66 | | 1100 | 72 | | 38-107 | 10 | | 50 |
| Hexachlorobenzene | ND | 1530 | 1000 | 66 | | 1000 | 66 | | 40-140 | 0 | | 50 |
| Bis(2-chloroethyl)ether | ND | 1530 | 1000 | 66 | | 1200 | 79 | | 40-140 | 18 | | 50 |
| 2-Chloronaphthalene | ND | 1530 | 1100 | 72 | | 1100 | 72 | | 40-140 | 0 | | 50 |
| 1,2-Dichlorobenzene | ND | 1530 | 970 | 64 | | 1000 | 66 | | 40-140 | 3 | | 50 |
| 1,3-Dichlorobenzene | ND | 1530 | 940 | 62 | | 1000 | 66 | | 40-140 | 6 | | 50 |
| 1,4-Dichlorobenzene | ND | 1530 | 970 | 64 | | 1000 | 66 | | 28-104 | 3 | | 50 |
| 3,3'-Dichlorobenzidine | ND | 1530 | ND | **0** | Q | ND | **0** | Q | 40-140 | NC | | 50 |
| 2,4-Dinitrotoluene | ND | 1530 | 970 | 64 | | 1000 | 66 | | 40-132 | 3 | | 50 |
| 2,6-Dinitrotoluene | ND | 1530 | 1000 | 66 | | 1100 | 72 | | 40-140 | 10 | | 50 |
| Fluoranthene | 6800 | 1530 | 5600 | **0** | Q | 5500 | **0** | Q | 40-140 | 2 | | 50 |
| 4-Chlorophenyl phenyl ether | ND | 1530 | 1000 | 66 | | 1100 | 72 | | 40-140 | 10 | | 50 |
| 4-Bromophenyl phenyl ether | ND | 1530 | 1100 | 72 | | 1100 | 72 | | 40-140 | 0 | | 50 |
| Bis(2-chloroisopropyl)ether | ND | 1530 | 1300 | 85 | | 1400 | 92 | | 40-140 | 7 | | 50 |
| Bis(2-chloroethoxy)methane | ND | 1530 | 1200 | 79 | | 1200 | 79 | | 40-117 | 0 | | 50 |
| Hexachlorobutadiene | ND | 1530 | 1000 | 66 | | 1100 | 72 | | 40-140 | 10 | | 50 |
| Hexachlorocyclopentadiene | ND | 1530 | 570 | **37** | Q | 540 | **35** | Q | 40-140 | 5 | | 50 |
| Hexachloroethane | ND | 1530 | 950 | 62 | | 980 | 64 | | 40-140 | 3 | | 50 |
| Isophorone | ND | 1530 | 1200 | 79 | | 1200 | 79 | | 40-140 | 0 | | 50 |
| Naphthalene | 190 | 1530 | 1100 | 72 | | 1200 | 79 | | 40-140 | 9 | | 50 |
| Nitrobenzene | ND | 1530 | 1200 | 79 | | 1300 | 85 | | 40-140 | 8 | | 50 |
| NDPA/DPA | ND | 1530 | 1100 | 72 | | 1100 | 72 | | 36-157 | 0 | | 50 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1124214-6 WG1124214-7 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| n-Nitrosodi-n-propylamine | ND | 1530 | 1100 | 72 | | 1200 | 79 | | 32-121 | 9 | | 50 |
| Bis(2-ethylhexyl)phthalate | 440 | 1530 | 1800 | 89 | | 29000E | **1900** | Q | 40-140 | **177** | Q | 50 |
| Butyl benzyl phthalate | ND | 1530 | 1200 | 79 | | 1200 | 79 | | 40-140 | 0 | | 50 |
| Di-n-butylphthalate | 120J | 1530 | 1200 | 79 | | 1300 | 85 | | 40-140 | 8 | | 50 |
| Di-n-octylphthalate | ND | 1530 | 1200 | 79 | | 1300 | 85 | | 40-140 | 8 | | 50 |
| Diethyl phthalate | ND | 1530 | 1100 | 72 | | 1200 | 79 | | 40-140 | 9 | | 50 |
| Dimethyl phthalate | ND | 1530 | 1100 | 72 | | 1200 | 79 | | 40-140 | 9 | | 50 |
| Benzo(a)anthracene | 3400 | 1530 | 3300 | **0** | Q | 3000 | **0** | Q | 40-140 | 10 | | 50 |
| Benzo(a)pyrene | 3100 | 1530 | 2900 | **0** | Q | 2700 | **0** | Q | 40-140 | 7 | | 50 |
| Benzo(b)fluoranthene | 4200 | 1530 | 3500 | **0** | Q | 3300 | **0** | Q | 40-140 | 6 | | 50 |
| Benzo(k)fluoranthene | 1100 | 1530 | 1700 | **39** | Q | 1500 | **26** | Q | 40-140 | 13 | | 50 |
| Chrysene | 3700 | 1530 | 3200 | **0** | Q | 2800 | **0** | Q | 40-140 | 13 | | 50 |
| Acenaphthylene | 300 | 1530 | 1300 | 66 | | 1300 | 66 | | 40-140 | 0 | | 50 |
| Anthracene | 1100 | 1530 | 1800 | 46 | | 2000 | 59 | | 40-140 | 11 | | 50 |
| Benzo(ghi)perylene | 1900 | 1530 | 2200 | **20** | Q | 2100 | **13** | Q | 40-140 | 5 | | 50 |
| Fluorene | 390 | 1530 | 1300 | 60 | | 1400 | 66 | | 40-140 | 7 | | 50 |
| Phenanthrene | 5400 | 1530 | 4500 | **0** | Q | 5100 | **0** | Q | 40-140 | 13 | | 50 |
| Dibenzo(a,h)anthracene | 560 | 1530 | 1300 | 48 | | 1300 | 49 | | 40-140 | 0 | | 50 |
| Indeno(1,2,3-cd)pyrene | 2100 | 1530 | 2400 | **20** | Q | 2300 | **13** | Q | 40-140 | 4 | | 50 |
| Pyrene | 6400 | 1530 | 5200 | **0** | Q | 5100 | **0** | Q | 35-142 | 2 | | 50 |
| Biphenyl | 45.J | 1530 | 1100 | 72 | | 1200 | 79 | | 54-104 | 9 | | 50 |
| 4-Chloroaniline | ND | 1530 | 1000 | 66 | | 870 | 57 | | 40-140 | 14 | | 50 |
| 2-Nitroaniline | ND | 1530 | 1200 | 79 | | 1300 | 85 | | 47-134 | 8 | | 50 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1124214-6 WG1124214-7 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| 3-Nitroaniline | ND | 1530 | 780 | 51 | | 1000 | 66 | | 26-129 | 25 | | 50 |
| 4-Nitroaniline | ND | 1530 | 390 | **26** | Q | 680 | 45 | | 41-125 | **54** | Q | 50 |
| Dibenzofuran | 350 | 1530 | 1300 | 62 | | 1400 | 69 | | 40-140 | 7 | | 50 |
| 2-Methylnaphthalene | 130J | 1530 | 1100 | 72 | | 1200 | 79 | | 40-140 | 9 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | ND | 1530 | 1000 | 66 | | 1100 | 72 | | 40-117 | 10 | | 50 |
| Acetophenone | ND | 1530 | 1100 | 72 | | 1200 | 79 | | 14-144 | 9 | | 50 |
| 2,4,6-Trichlorophenol | ND | 1530 | 1200 | 79 | | 1300 | 85 | | 30-130 | 8 | | 50 |
| p-Chloro-m-cresol | ND | 1530 | 1200 | 79 | | 1300 | 85 | | 26-103 | 8 | | 50 |
| 2-Chlorophenol | ND | 1530 | 1100 | 72 | | 1200 | 79 | | 25-102 | 9 | | 50 |
| 2,4-Dichlorophenol | ND | 1530 | 1200 | 79 | | 1300 | 85 | | 30-130 | 8 | | 50 |
| 2,4-Dimethylphenol | ND | 1530 | 1100 | 72 | | 1200 | 79 | | 30-130 | 9 | | 50 |
| 2-Nitrophenol | ND | 1530 | 670 | 44 | | 760 | 50 | | 30-130 | 13 | | 50 |
| 4-Nitrophenol | ND | 1530 | 1100 | 72 | | 1200 | 79 | | 11-114 | 9 | | 50 |
| 2,4-Dinitrophenol | ND | 1530 | ND | **0** | Q | ND | **0** | Q | 4-130 | NC | | 50 |
| 4,6-Dinitro-o-cresol | ND | 1530 | 110J | **7** | Q | ND | **0** | Q | 10-130 | NC | | 50 |
| Pentachlorophenol | ND | 1530 | 930 | 61 | | 1000 | 66 | | 17-109 | 7 | | 50 |
| Phenol | ND | 1530 | 1100 | 72 | | 1200 | 79 | | 26-90 | 9 | | 50 |
| 2-Methylphenol | ND | 1530 | 1200 | 79 | | 1200 | 79 | | 30-130. | 0 | | 50 |
| 3-Methylphenol/4-Methylphenol | ND | 1530 | 1200 | 79 | | 1200 | 79 | | 30-130 | 0 | | 50 |
| 2,4,5-Trichlorophenol | ND | 1530 | 1200 | 79 | | 1300 | 85 | | 30-130 | 8 | | 50 |
| Benzoic Acid | ND | 1530 | ND | **0** | Q | ND | **0** | Q | 10-110 | NC | | 50 |
| Benzyl Alcohol | ND | 1530 | 1200 | 79 | | 1300 | 85 | | 40-140 | 8 | | 50 |
| Carbazole | 420 | 1530 | 1000 | **38** | Q | 1300 | 58 | | 54-128 | 26 | | 50 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1124214-6 WG1124214-7 QC Sample: L1820814-36 Client ID: SS-4B

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,6-Tribromophenol | 77 | | 80 | | 10-136 |
| 2-Fluorobiphenyl | 68 | | 72 | | 30-120 |
| 2-Fluorophenol | 69 | | 75 | | 25-120 |
| 4-Terphenyl-d14 | 66 | | 68 | | 18-120 |
| Nitrobenzene-d5 | 79 | | 84 | | 23-120 |
| Phenol-d6 | 75 | | 80 | | 10-120 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124354-8 WG1124354-9 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 40 | 29 | 73 | | 29 | 73 | | 39-98 | 0 | | 30 |
| Bis(2-chloroethyl)ether | ND | 40 | 32 | 80 | | 33 | 83 | | 40-140 | 3 | | 30 |
| 1,2-Dichlorobenzene | ND | 40 | 26 | 65 | | 27 | 68 | | 40-140 | 4 | | 30 |
| 1,3-Dichlorobenzene | ND | 40 | 26 | 65 | | 26 | 65 | | 40-140 | 0 | | 30 |
| 1,4-Dichlorobenzene | ND | 40 | 26 | 65 | | 26 | 65 | | 36-97 | 0 | | 30 |
| 3,3'-Dichlorobenzidine | ND | 40 | 16 | 40 | | 19 | 48 | | 40-140 | 17 | | 30 |
| 2,4-Dinitrotoluene | ND | 40 | 39 | 98 | | 42 | 110 | | 48-143 | 7 | | 30 |
| 2,6-Dinitrotoluene | ND | 40 | 37 | 93 | | 39 | 98 | | 40-140 | 5 | | 30 |
| 4-Chlorophenyl phenyl ether | ND | 40 | 36 | 90 | | 38 | 95 | | 40-140 | 5 | | 30 |
| 4-Bromophenyl phenyl ether | ND | 40 | 38 | 95 | | 41 | 100 | | 40-140 | 8 | | 30 |
| Bis(2-chloroisopropyl)ether | ND | 40 | 26 | 65 | | 26 | 65 | | 40-140 | 0 | | 30 |
| Bis(2-chloroethoxy)methane | ND | 40 | 35 | 88 | | 36 | 90 | | 40-140 | 3 | | 30 |
| Hexachlorocyclopentadiene | ND | 40 | 26 | 65 | | 28 | 70 | | 40-140 | 7 | | 30 |
| Isophorone | ND | 40 | 39 | 98 | | 39 | 98 | | 40-140 | 0 | | 30 |
| Nitrobenzene | ND | 40 | 45 | 110 | | 44 | 110 | | 40-140 | 2 | | 30 |
| NDPA/DPA | ND | 40 | 36 | 90 | | 38 | 95 | | 40-140 | 5 | | 30 |
| n-Nitrosodi-n-propylamine | ND | 40 | 43 | 110 | | 43 | 110 | | 29-132 | 0 | | 30 |
| Bis(2-ethylhexyl)phthalate | ND | 40 | 42 | 110 | | 44 | 110 | | 40-140 | 5 | | 30 |
| Butyl benzyl phthalate | ND | 40 | 44 | 110 | | 44 | 110 | | 40-140 | 0 | | 30 |
| Di-n-butylphthalate | ND | 40 | 43 | 110 | | 42 | 110 | | 40-140 | 2 | | 30 |
| Di-n-octylphthalate | ND | 40 | 43 | 110 | | 46 | 120 | | 40-140 | 7 | | 30 |
| Diethyl phthalate | ND | 40 | 40 | 100 | | 43 | 110 | | 40-140 | 7 | | 30 |
| Dimethyl phthalate | ND | 40 | 38 | 95 | | 40 | 100 | | 40-140 | 5 | | 30 |

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# Matrix Spike Analysis
## *Batch Quality Control*

***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

| *Parameter* | *Native Sample* | *MS Added* | *MS Found* | *MS %Recovery* | *Qual* | *MSD Found* | *MSD %Recovery* | *Qual* | *Recovery Limits* | *RPD* | *Qual* | *RPD Limits* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124354-8 WG1124354-9 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |
| Biphenyl | ND | 40 | 35 | 88 | | 36 | 90 | | 40-140 | 3 | | 30 |
| 4-Chloroaniline | ND | 40 | 31 | 78 | | 35 | 88 | | 40-140 | 12 | | 30 |
| 2-Nitroaniline | ND | 40 | 35 | 88 | | 39 | 98 | | 52-143 | 11 | | 30 |
| 3-Nitroaniline | ND | 40 | 24 | 60 | | 25 | 63 | | 25-145 | 4 | | 30 |
| 4-Nitroaniline | ND | 40 | 29 | 73 | | 32 | 80 | | 51-143 | 10 | | 30 |
| Dibenzofuran | ND | 40 | 34 | 85 | | 38 | 95 | | 40-140 | 11 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | ND | 40 | 33 | 83 | | 35 | 88 | | 2-134 | 6 | | 30 |
| Acetophenone | ND | 40 | 39 | 98 | | 39 | 98 | | 39-129 | 0 | | 30 |
| 2,4,6-Trichlorophenol | ND | 40 | 38 | 95 | | 40 | 100 | | 30-130 | 5 | | 30 |
| p-Chloro-m-cresol | ND | 40 | 43 | **110** | Q | 45 | **110** | Q | 23-97 | 5 | | 30 |
| 2-Chlorophenol | ND | 40 | 32 | 80 | | 32 | 80 | | 27-123 | 0 | | 30 |
| 2,4-Dichlorophenol | ND | 40 | 36 | 90 | | 37 | 93 | | 30-130 | 3 | | 30 |
| 2,4-Dimethylphenol | ND | 40 | 40 | 100 | | 41 | 100 | | 30-130 | 2 | | 30 |
| 2-Nitrophenol | ND | 40 | 36 | 90 | | 36 | 90 | | 30-130 | 0 | | 30 |
| 4-Nitrophenol | ND | 40 | 36 | **90** | Q | 39 | **98** | Q | 10-80 | 8 | | 30 |
| 2,4-Dinitrophenol | ND | 40 | 32 | 80 | | 37 | 93 | | 20-130 | 14 | | 30 |
| 4,6-Dinitro-o-cresol | ND | 40 | 41 | 100 | | 44 | 110 | | 20-164 | 7 | | 30 |
| Phenol | ND | 40 | 19 | 48 | | 19 | 48 | | 12-110 | 0 | | 30 |
| 2-Methylphenol | ND | 40 | 30 | 75 | | 30 | 75 | | 30-130 | 0 | | 30 |
| 3-Methylphenol/4-Methylphenol | ND | 40 | 33 | 83 | | 32 | 80 | | 30-130 | 3 | | 30 |
| 2,4,5-Trichlorophenol | ND | 40 | 39 | 98 | | 40 | 100 | | 30-130 | 3 | | 30 |
| Benzoic Acid | ND | 40 | 20J | 50 | | 23.J | 58 | | 10-164 | 14 | | 30 |
| Benzyl Alcohol | ND | 40 | 40 | 100 | | 37 | 93 | | 26-116 | 8 | | 30 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124354-8 WG1124354-9 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |
| Carbazole | ND | 40 | 39 | 98 | | 39 | 98 | | 55-144 | 0 | | 30 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,6-Tribromophenol | 89 | | 95 | | 10-120 |
| 2-Fluorobiphenyl | 84 | | 86 | | 15-120 |
| 2-Fluorophenol | 57 | | 55 | | 21-120 |
| 4-Terphenyl-d14 | 91 | | 93 | | 41-149 |
| Nitrobenzene-d5 | 104 | | 95 | | 23-120 |
| Phenol-d6 | 46 | | 44 | | 10-120 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124355-8 WG1124355-9 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |
| Acenaphthene | ND | 10 | 6.5 | 65 | | 6.2 | 62 | | 40-140 | 5 | | 40 |
| 2-Chloronaphthalene | ND | 10 | 5.3 | 53 | | 5.3 | 53 | | 40-140 | 0 | | 40 |
| Fluoranthene | ND | 10 | 6.7 | 67 | | 6.5 | 65 | | 40-140 | 3 | | 40 |
| Hexachlorobutadiene | ND | 10 | 4.7 | 47 | | 4.5 | 45 | | 40-140 | 4 | | 40 |
| Naphthalene | 0.22 | 10 | 5.8 | 56 | | 5.6 | 54 | | 40-140 | 4 | | 40 |
| Benzo(a)anthracene | ND | 10 | 6.8 | 68 | | 6.6 | 66 | | 40-140 | 3 | | 40 |
| Benzo(a)pyrene | ND | 10 | 6.5 | 65 | | 6.3 | 63 | | 40-140 | 3 | | 40 |
| Benzo(b)fluoranthene | ND | 10 | 6.7 | 67 | | 6.6 | 66 | | 40-140 | 2 | | 40 |
| Benzo(k)fluoranthene | ND | 10 | 6.8 | 68 | | 6.6 | 66 | | 40-140 | 3 | | 40 |
| Chrysene | ND | 10 | 7.2 | 72 | | 7.0 | 70 | | 40-140 | 3 | | 40 |
| Acenaphthylene | ND | 10 | 5.8 | 58 | | 5.9 | 59 | | 40-140 | 2 | | 40 |
| Anthracene | ND | 10 | 6.9 | 69 | | 6.6 | 66 | | 40-140 | 4 | | 40 |
| Benzo(ghi)perylene | ND | 10 | 6.6 | 66 | | 6.3 | 63 | | 40-140 | 5 | | 40 |
| Fluorene | ND | 10 | 6.6 | 66 | | 6.5 | 65 | | 40-140 | 2 | | 40 |
| Phenanthrene | ND | 10 | 6.9 | 69 | | 6.7 | 67 | | 40-140 | 3 | | 40 |
| Dibenzo(a,h)anthracene | ND | 10 | 6.9 | 69 | | 6.5 | 65 | | 40-140 | 6 | | 40 |
| Indeno(1,2,3-cd)pyrene | ND | 10 | 6.9 | 69 | | 6.5 | 65 | | 40-140 | 6 | | 40 |
| Pyrene | ND | 10 | 6.6 | 66 | | 6.5 | 65 | | 40-140 | 2 | | 40 |
| 2-Methylnaphthalene | ND | 10 | 5.3 | 53 | | 5.3 | 53 | | 40-140 | 0 | | 40 |
| Pentachlorophenol | ND | 10 | 7.2 | 72 | | 6.7 | 67 | | 40-140 | 7 | | 40 |
| Hexachlorobenzene | ND | 10 | 7.2 | 72 | | 6.8 | 68 | | 40-140 | 6 | | 40 |
| Hexachloroethane | ND | 10 | 4.8 | 48 | | 4.7 | 47 | | 40-140 | 2 | | 40 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124355-8 WG1124355-9 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 2,4,6-Tribromophenol | 19 | | 18 | | 10-120 |
| 2-Fluorobiphenyl | 16 | | 16 | | 15-120 |
| 2-Fluorophenol | **10** | Q | **10** | Q | 21-120 |
| 4-Terphenyl-d14 | **17** | Q | **17** | Q | 41-149 |
| Nitrobenzene-d5 | **15** | Q | **15** | Q | 23-120 |
| Phenol-d6 | **8** | Q | **8** | Q | 10-120 |

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124630-4 WG1124630-5 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |
| 1,4-Dioxane | 2340 | 4720 | 6650 | 91 | | 6840 | 92 | | 40-140 | 3 | | 30 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,4-Dioxane-d8 | 26 | | 28 | | 15-110 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 19-22 QC Batch ID: WG1126304-4 WG1126304-5 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 13.0 | 35.7 | 49.2 | 101 | | 45.9 | 92 | | 50-150 | 7 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 15.6 | 35.7 | 51.6 | 101 | | 47.3 | 89 | | 50-150 | 9 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 3.95 | 35.7 | 42.9 | 109 | | 39.2 | 99 | | 50-150 | 9 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 14.0 | 35.7 | 54.3 | 113 | | 49.3 | 99 | | 50-150 | 10 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 10.2 | 35.7 | 47.6 | 105 | | 44.7 | 97 | | 50-150 | 6 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 3.03 | 35.7 | 44.5 | 116 | | 42.6 | 111 | | 50-150 | 4 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 57.9 | 35.7 | 93.4 | 99 | | 87.7 | 83 | | 50-150 | 6 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | 35.7 | 38.1 | 107 | | 34.9 | 98 | | 50-150 | 9 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 0.878J | 35.7 | 40.6 | 114 | | 35.7 | 100 | | 50-150 | 13 | | 30 |
| Perfluorononanoic Acid (PFNA) | 4.36 | 35.7 | 44.0 | 111 | | 40.7 | 102 | | 50-150 | 8 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 44.4 | 35.7 | 83.0 | 108 | | 73.8 | 82 | | 50-150 | 12 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 0.846J | 35.7 | 40.3 | 113 | | 39.2 | 110 | | 50-150 | 3 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 35.7 | 37.0 | 104 | | 29.6 | 83 | | 50-150 | 22 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 35.7 | 38.5 | 108 | | 32.1 | 90 | | 50-150 | 18 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 35.7 | 33.9 | 95 | | 32.8 | 92 | | 50-150 | 3 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 35.7 | 29.3 | 82 | | 27.7 | 78 | | 50-150 | 6 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | ND | 35.7 | 37.5 | 105 | | 31.7 | 89 | | 50-150 | 17 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | 35.7 | 40.7 | 114 | | 31.9 | 89 | | 50-150 | 24 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | ND | 35.7 | 37.0 | 104 | | 36.1 | 101 | | 50-150 | 2 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 35.7 | 38.5 | 108 | | 35.2 | 99 | | 50-150 | 9 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | ND | 35.7 | 44.5 | 125 | | 38.8 | 109 | | 50-150 | 14 | | 30 |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 19-22 QC Batch ID: WG1126304-4 WG1126304-5 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 92 | | 111 | | 50-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 139 | | **156** | Q | 50-150 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 61 | | 71 | | 50-150 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 62 | | 71 | | 50-150 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 80 | | 89 | | 50-150 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 87 | | 92 | | 50-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 83 | | 90 | | 50-150 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 82 | | 88 | | 50-150 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 110 | | 120 | | 50-150 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 71 | | 77 | | 50-150 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 72 | | 78 | | 50-150 |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 104 | | 112 | | 50-150 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 108 | | 120 | | 50-150 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | **11** | Q | **44** | Q | 50-150 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 96 | | 113 | | 50-150 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 100 | | 106 | | 50-150 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 88 | | 102 | | 50-150 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 107 | | 114 | | 50-150 |

# PCBS



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01
Client ID: SB-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 09:32
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.7 | 4.05 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.7 | 5.44 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.7 | 3.52 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.7 | 4.37 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.7 | 4.01 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 35.7 | 2.92 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 35.7 | 3.73 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 35.7 | 2.94 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.7 | 2.53 | 1 | A |
| PCBs, Total | ND | | ug/kg | 35.7 | 2.53 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 65 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 63 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02
Client ID: SB-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 15:05
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 09:45
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | 4.08 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.0 | 5.48 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.0 | 3.54 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.0 | 4.41 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.0 | 4.04 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.0 | 2.94 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.0 | 3.76 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.0 | 2.96 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.0 | 2.55 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.0 | 2.55 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03
Client ID: SB-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 09:57
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | 4.22 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.2 | 5.66 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.2 | 3.66 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.2 | 4.55 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.2 | 4.17 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 37.2 | 3.04 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 37.2 | 3.88 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.2 | 3.06 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.2 | 2.63 | 1 | A |
| PCBs, Total | ND | | ug/kg | 37.2 | 2.63 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| Decachlorobiphenyl | 50 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 58 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04
Client ID: SB-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 10:09
Analyst: WR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.2 | 4.56 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 40.2 | 6.12 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 40.2 | 3.95 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 40.2 | 4.92 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 40.2 | 4.51 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 40.2 | 3.28 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 40.2 | 4.19 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 40.2 | 3.30 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 40.2 | 2.84 | 1 | A |
| PCBs, Total | ND | | ug/kg | 40.2 | 2.84 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | A |
| Decachlorobiphenyl | 75 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 D
Client ID: SB-5A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 16:35
Analyst: WR
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 205 | 23.2 | 5 | A |
| Aroclor 1221 | ND | | ug/kg | 205 | 31.2 | 5 | A |
| Aroclor 1232 | ND | | ug/kg | 205 | 20.2 | 5 | A |
| Aroclor 1242 | ND | | ug/kg | 205 | 25.1 | 5 | A |
| Aroclor 1248 | ND | | ug/kg | 205 | 23.0 | 5 | A |
| Aroclor 1254 | 1820 | | ug/kg | 205 | 16.7 | 5 | A |
| Aroclor 1260 | ND | | ug/kg | 205 | 21.4 | 5 | A |
| Aroclor 1262 | ND | | ug/kg | 205 | 16.8 | 5 | A |
| Aroclor 1268 | ND | | ug/kg | 205 | 14.5 | 5 | A |
| PCBs, Total | 1820 | | ug/kg | 205 | 14.5 | 5 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06
Client ID: SB-6A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 14:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 16:09
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | 4.10 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.1 | 5.50 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.1 | 3.55 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.1 | 4.42 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.1 | 4.05 | 1 | A |
| Aroclor 1254 | 15.1 | J | ug/kg | 36.1 | 2.95 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.1 | 3.77 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.1 | 2.97 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.1 | 2.56 | 1 | A |
| PCBs, Total | 15.1 | J | ug/kg | 36.1 | 2.56 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 54 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 56 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07
Client ID: SB-7A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 12:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 11:02
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | 4.34 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.3 | 5.83 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.3 | 3.77 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.3 | 4.69 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.3 | 4.30 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 38.3 | 3.12 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.3 | 4.00 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.3 | 3.15 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.3 | 2.71 | 1 | A |
| PCBs, Total | ND | | ug/kg | 38.3 | 2.71 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | A |
| Decachlorobiphenyl | 46 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | B |
| Decachlorobiphenyl | 56 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08
Client ID: SB-8A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:25
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 11:15
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.0 | 3.96 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.0 | 5.32 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.0 | 3.44 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.0 | 4.28 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.0 | 3.92 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 35.0 | 2.85 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 35.0 | 3.65 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 35.0 | 2.87 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.0 | 2.48 | 1 | A |
| PCBs, Total | ND | | ug/kg | 35.0 | 2.48 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09
Client ID: SB-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 11:27
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.4 | 4.13 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.4 | 5.54 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.4 | 3.58 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.4 | 4.45 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.4 | 4.08 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.4 | 2.97 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.4 | 3.80 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.4 | 2.99 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.4 | 2.58 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.4 | 2.58 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10
Client ID: SB-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 15:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 11:40
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.7 | 4.05 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.7 | 5.44 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.7 | 3.52 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.7 | 4.38 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.7 | 4.01 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 35.7 | 2.92 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 35.7 | 3.73 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 35.7 | 2.94 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.7 | 2.53 | 1 | A |
| PCBs, Total | ND | | ug/kg | 35.7 | 2.53 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11
Client ID: SB-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 11:53
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.3 | 4.00 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.3 | 5.37 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.3 | 3.47 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.3 | 4.32 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.3 | 3.96 | 1 | A |
| Aroclor 1254 | 3.38 | J | ug/kg | 35.3 | 2.88 | 1 | B |
| Aroclor 1260 | ND | | ug/kg | 35.3 | 3.69 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 35.3 | 2.90 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.3 | 2.50 | 1 | A |
| PCBs, Total | 3.38 | J | ug/kg | 35.3 | 2.50 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 60 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12
Client ID: SB-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 12:05
Analyst: WR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.8 | 4.06 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.8 | 5.44 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.8 | 3.52 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.8 | 4.38 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.8 | 4.01 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 35.8 | 2.92 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 35.8 | 3.73 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 35.8 | 2.94 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.8 | 2.53 | 1 | A |
| PCBs, Total | ND | | ug/kg | 35.8 | 2.53 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13
Client ID: SB-5B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 12:18
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.9 | 3.96 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 34.9 | 5.32 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 34.9 | 3.44 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 34.9 | 4.28 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 34.9 | 3.92 | 1 | A |
| Aroclor 1254 | 28.5 | J | ug/kg | 34.9 | 2.85 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 34.9 | 3.65 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 34.9 | 2.87 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 34.9 | 2.47 | 1 | A |
| PCBs, Total | 28.5 | J | ug/kg | 34.9 | 2.47 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | A |
| Decachlorobiphenyl | 72 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14
Client ID: SB-6B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 14:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 12:30
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | 4.10 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.1 | 5.50 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.1 | 3.56 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.1 | 4.42 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.1 | 4.06 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.1 | 2.95 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.1 | 3.77 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.1 | 2.97 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.1 | 2.56 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.1 | 2.56 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15
Client ID: SB-7B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 12:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 12:43
Analyst: WR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.7 | 4.39 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.7 | 5.90 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.7 | 3.81 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.7 | 4.74 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.7 | 4.35 | 1 | A |
| Aroclor 1254 | 10.6 | J | ug/kg | 38.7 | 3.16 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.7 | 4.04 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.7 | 3.18 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.7 | 2.74 | 1 | A |
| PCBs, Total | 10.6 | J | ug/kg | 38.7 | 2.74 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 | A |
| Decachlorobiphenyl | 82 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 30-150 | B |
| Decachlorobiphenyl | 89 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16
Client ID: SB-8B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 14:26
Analyst: WR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | 4.21 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.1 | 5.65 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.1 | 3.65 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.1 | 4.54 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.1 | 4.17 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 37.1 | 3.03 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 37.1 | 3.88 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.1 | 3.05 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.1 | 2.63 | 1 | A |
| PCBs, Total | ND | | ug/kg | 37.1 | 2.63 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 67 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17
Client ID: DUP-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 07:33
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 14:38
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.2 | 3.88 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 34.2 | 5.20 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 34.2 | 3.36 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 34.2 | 4.18 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 34.2 | 3.84 | 1 | A |
| Aroclor 1254 | 20.8 | J | ug/kg | 34.2 | 2.79 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 34.2 | 3.57 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 34.2 | 2.81 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 34.2 | 2.42 | 1 | A |
| PCBs, Total | 20.8 | J | ug/kg | 34.2 | 2.42 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | A |
| Decachlorobiphenyl | 81 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 14:51
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.8 | 4.06 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.8 | 5.45 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.8 | 3.52 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.8 | 4.38 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.8 | 4.02 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 35.8 | 2.92 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 35.8 | 3.74 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 35.8 | 2.94 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.8 | 2.54 | 1 | A |
| PCBs, Total | ND | | ug/kg | 35.8 | 2.54 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | A |
| Decachlorobiphenyl | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 11:57
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 52 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 49 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 12:10
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 64 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 18:53
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 57 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 12:48
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | A |
| Decachlorobiphenyl | 48 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | B |
| Decachlorobiphenyl | 42 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-29
Client ID: SS-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 15:03
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.8 | 4.17 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.8 | 5.60 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.8 | 3.62 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.8 | 4.50 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.8 | 4.12 | 1 | A |
| Aroclor 1254 | 201 | | ug/kg | 36.8 | 3.00 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.8 | 3.84 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.8 | 3.02 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.8 | 2.60 | 1 | A |
| PCBs, Total | 201 | | ug/kg | 36.8 | 2.60 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 103 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-30
Client ID: SS-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:08
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 15:16
Analyst: WR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.8 | 4.40 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.8 | 5.91 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.8 | 3.82 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.8 | 4.75 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.8 | 4.36 | 1 | A |
| Aroclor 1254 | 20.9 | J | ug/kg | 38.8 | 3.17 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.8 | 4.06 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.8 | 3.19 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.8 | 2.75 | 1 | A |
| PCBs, Total | 20.9 | J | ug/kg | 38.8 | 2.75 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31 D
Client ID: SS-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/13/18 03:59
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 04:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 71.5 | 8.10 | 2 | A |
| Aroclor 1221 | ND | | ug/kg | 71.5 | 10.9 | 2 | A |
| Aroclor 1232 | ND | | ug/kg | 71.5 | 7.03 | 2 | A |
| Aroclor 1242 | ND | | ug/kg | 71.5 | 8.75 | 2 | A |
| Aroclor 1248 | ND | | ug/kg | 71.5 | 8.02 | 2 | A |
| Aroclor 1254 | 558 | | ug/kg | 71.5 | 5.83 | 2 | B |
| Aroclor 1260 | ND | | ug/kg | 71.5 | 7.46 | 2 | A |
| Aroclor 1262 | ND | | ug/kg | 71.5 | 5.87 | 2 | A |
| Aroclor 1268 | ND | | ug/kg | 71.5 | 5.06 | 2 | A |
| PCBs, Total | 558 | | ug/kg | 71.5 | 5.06 | 2 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | A |
| Decachlorobiphenyl | 66 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-32 D
Client ID: SS-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/13/18 04:11
Analyst: HT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 04:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 187 | 21.2 | 5 | A |
| Aroclor 1221 | ND | | ug/kg | 187 | 28.5 | 5 | A |
| Aroclor 1232 | ND | | ug/kg | 187 | 18.4 | 5 | A |
| Aroclor 1242 | ND | | ug/kg | 187 | 22.9 | 5 | A |
| Aroclor 1248 | ND | | ug/kg | 187 | 21.0 | 5 | A |
| Aroclor 1254 | 1240 | | ug/kg | 187 | 15.3 | 5 | B |
| Aroclor 1260 | ND | | ug/kg | 187 | 19.6 | 5 | A |
| Aroclor 1262 | ND | | ug/kg | 187 | 15.4 | 5 | A |
| Aroclor 1268 | ND | | ug/kg | 187 | 13.3 | 5 | A |
| PCBs, Total | 1240 | | ug/kg | 187 | 13.3 | 5 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 67 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | B |
| Decachlorobiphenyl | 93 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33
Client ID: SS-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 08:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 13:52
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 04:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | 4.15 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.6 | 5.57 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.6 | 3.60 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.6 | 4.48 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.6 | 4.10 | 1 | A |
| Aroclor 1254 | 6.30 | J | ug/kg | 36.6 | 2.98 | 1 | B |
| Aroclor 1260 | ND | | ug/kg | 36.6 | 3.82 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.6 | 3.01 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.6 | 2.59 | 1 | A |
| PCBs, Total | 6.30 | J | ug/kg | 36.6 | 2.59 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 66 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 66 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-34
Client ID: SS-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 14:04
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 04:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.8 | 4.29 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.8 | 5.76 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.8 | 3.72 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.8 | 4.63 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.8 | 4.24 | 1 | A |
| Aroclor 1254 | 5.18 | J | ug/kg | 37.8 | 3.09 | 1 | B |
| Aroclor 1260 | ND | | ug/kg | 37.8 | 3.95 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.8 | 3.11 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.8 | 2.68 | 1 | A |
| PCBs, Total | 5.18 | J | ug/kg | 37.8 | 2.68 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 60 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-35
Client ID: SS-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/18 16:47
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 04:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.8 | 4.06 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.8 | 5.45 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.8 | 3.52 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.8 | 4.38 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.8 | 4.02 | 1 | A |
| Aroclor 1254 | 264 | | ug/kg | 35.8 | 2.92 | 1 | B |
| Aroclor 1260 | ND | | ug/kg | 35.8 | 3.74 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 35.8 | 2.94 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.8 | 2.54 | 1 | A |
| PCBs, Total | 264 | | ug/kg | 35.8 | 2.54 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-36 D
Client ID: SS-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/13/18 04:36
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 04:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 190 | 21.6 | 5 | A |
| Aroclor 1221 | ND | | ug/kg | 190 | 29.0 | 5 | A |
| Aroclor 1232 | ND | | ug/kg | 190 | 18.7 | 5 | A |
| Aroclor 1242 | ND | | ug/kg | 190 | 23.3 | 5 | A |
| Aroclor 1248 | ND | | ug/kg | 190 | 21.4 | 5 | A |
| Aroclor 1254 | 1400 | | ug/kg | 190 | 15.5 | 5 | A |
| Aroclor 1260 | ND | | ug/kg | 190 | 19.9 | 5 | A |
| Aroclor 1262 | ND | | ug/kg | 190 | 15.6 | 5 | A |
| Aroclor 1268 | ND | | ug/kg | 190 | 13.5 | 5 | A |
| PCBs, Total | 1400 | | ug/kg | 190 | 13.5 | 5 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 13:01
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 40 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 33 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 13:13
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | A |
| Decachlorobiphenyl | 61 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 51 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/12/18 12:55
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 06/09/18 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-18,29-30 Batch: WG1124161-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.8 | 3.61 | A |
| Aroclor 1221 | ND | | ug/kg | 31.8 | 4.85 | A |
| Aroclor 1232 | ND | | ug/kg | 31.8 | 3.13 | A |
| Aroclor 1242 | ND | | ug/kg | 31.8 | 3.90 | A |
| Aroclor 1248 | ND | | ug/kg | 31.8 | 3.57 | A |
| Aroclor 1254 | ND | | ug/kg | 31.8 | 2.60 | A |
| Aroclor 1260 | ND | | ug/kg | 31.8 | 3.32 | A |
| Aroclor 1262 | ND | | ug/kg | 31.8 | 2.62 | A |
| Aroclor 1268 | ND | | ug/kg | 31.8 | 2.25 | A |
| PCBs, Total | ND | | ug/kg | 31.8 | 2.25 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/12/18 18:03
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/09/18 04:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 31-36 Batch: WG1124183-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | 3.73 | A |
| Aroclor 1221 | ND | | ug/kg | 32.9 | 5.01 | A |
| Aroclor 1232 | ND | | ug/kg | 32.9 | 3.24 | A |
| Aroclor 1242 | ND | | ug/kg | 32.9 | 4.03 | A |
| Aroclor 1248 | ND | | ug/kg | 32.9 | 3.69 | A |
| Aroclor 1254 | ND | | ug/kg | 32.9 | 2.68 | A |
| Aroclor 1260 | ND | | ug/kg | 32.9 | 3.44 | A |
| Aroclor 1262 | ND | | ug/kg | 32.9 | 2.70 | A |
| Aroclor 1268 | ND | | ug/kg | 32.9 | 2.33 | A |
| PCBs, Total | ND | | ug/kg | 32.9 | 2.33 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | A |
| Decachlorobiphenyl | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/12/18 00:48
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124333-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.020 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.032 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.027 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.030 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.023 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.035 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.020 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.017 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.027 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.017 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |



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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-18,29-30 Batch: WG1124161-2 WG1124161-3 | | | | | | | | | |
| Aroclor 1016 | 106 | | 102 | | 40-140 | 4 | | 50 | A |
| Aroclor 1260 | 96 | | 94 | | 40-140 | 2 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 85 | | 30-150 | A |
| Decachlorobiphenyl | 77 | | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 86 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 75 | | 30-150 | B |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 31-36 Batch: WG1124183-2 WG1124183-3 | | | | | | | | | |
| Aroclor 1016 | 103 | | 103 | | 40-140 | 0 | | 50 | A |
| Aroclor 1260 | 92 | | 92 | | 40-140 | 0 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 87 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 87 | | 30-150 | B |
| Decachlorobiphenyl | 81 | | 76 | | 30-150 | B |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124333-2 WG1124333-3 | | | | | | | | | |
| Aroclor 1016 | 82 | | 78 | | 40-140 | 4 | | 50 | A |
| Aroclor 1260 | 93 | | 87 | | 40-140 | 7 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 62 | | 30-150 | A |
| Decachlorobiphenyl | 72 | | 70 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 57 | | 30-150 | B |
| Decachlorobiphenyl | 63 | | 61 | | 30-150 | B |

TRIAL MODE - Click here for more information



# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 31-36 QC Batch ID: WG1124183-4 WG1124183-5 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | | |
| Aroclor 1016 | ND | 217 | 227 | 105 | | 226 | 99 | | 40-140 | 0 | | 50 | A |
| Aroclor 1260 | ND | 217 | 211 | 97 | | 208 | 91 | | 40-140 | 1 | | 50 | A |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 78 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 79 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 69 | | 30-150 | B |

TRIAL MODE - Click here for more information



# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 31-36 QC Batch ID: WG1124183-6 WG1124183-7 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | | |
| Aroclor 1016 | ND | 238 | 345 | **145** | Q | 2.87 | 123 | | 40-140 | **197** | Q | 50 | A |
| Aroclor 1260 | ND | 238 | 883 | **370** | Q | 5.70 | **244** | Q | 40-140 | **197** | Q | 50 | A |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 72 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 72 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 71 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 71 | | 30-150 | B |

TRIAL MODE - Click here for more information



# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124333-8 WG1124333-9 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | | |
| Aroclor 1016 | ND | 2.6 | 2.11 | 81 | | 2.64 | 101 | | 40-140 | 22 | | 50 | A |
| Aroclor 1260 | ND | 2.6 | 1.98 | 76 | | 2.49 | 96 | | 40-140 | 23 | | 50 | A |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 90 | | 30-150 | A |
| Decachlorobiphenyl | 56 | | 61 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 87 | | 30-150 | B |
| Decachlorobiphenyl | 62 | | 59 | | 30-150 | B |

# PESTICIDES



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01
Client ID: SB-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/10/18 21:41
Analyst: SL
Percent Solids: 92%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 178 | 11.2 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 178 | 5.53 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 178 | 4.74 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 128 | | 30-150 | A |
| DCAA | 99 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01 D
Client ID: SB-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/18 18:39
Analyst: DGM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 8.23 | 1.61 | 5 | A |
| Lindane | ND | | ug/kg | 3.43 | 1.53 | 5 | A |
| Alpha-BHC | ND | | ug/kg | 3.43 | 0.974 | 5 | A |
| Beta-BHC | ND | | ug/kg | 8.23 | 3.12 | 5 | A |
| Heptachlor | ND | | ug/kg | 4.12 | 1.84 | 5 | A |
| Aldrin | ND | | ug/kg | 8.23 | 2.90 | 5 | A |
| Heptachlor epoxide | ND | | ug/kg | 15.4 | 4.63 | 5 | A |
| Endrin | ND | | ug/kg | 3.43 | 1.41 | 5 | A |
| Endrin aldehyde | ND | | ug/kg | 10.3 | 3.60 | 5 | A |
| Endrin ketone | ND | | ug/kg | 8.23 | 2.12 | 5 | A |
| Dieldrin | ND | | ug/kg | 5.14 | 2.57 | 5 | A |
| 4,4'-DDE | 10.7 | P | ug/kg | 8.23 | 1.90 | 5 | B |
| 4,4'-DDD | ND | | ug/kg | 8.23 | 2.94 | 5 | A |
| 4,4'-DDT | ND | | ug/kg | 15.4 | 6.62 | 5 | A |
| Endosulfan I | ND | | ug/kg | 8.23 | 1.94 | 5 | A |
| Endosulfan II | ND | | ug/kg | 8.23 | 2.75 | 5 | A |
| Endosulfan sulfate | ND | | ug/kg | 3.43 | 1.63 | 5 | A |
| Methoxychlor | ND | | ug/kg | 15.4 | 4.80 | 5 | A |
| Toxaphene | ND | | ug/kg | 154 | 43.2 | 5 | A |
| cis-Chlordane | ND | | ug/kg | 10.3 | 2.87 | 5 | A |
| trans-Chlordane | ND | | ug/kg | 10.3 | 2.72 | 5 | A |
| Chlordane | ND | | ug/kg | 66.9 | 27.3 | 5 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01 D
Client ID: SB-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 | B |
| Decachlorobiphenyl | **160** | Q | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | A |
| Decachlorobiphenyl | 110 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02
Client ID: SB-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 15:05
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 16:26
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.74 | 0.342 | 1 | A |
| Lindane | ND | | ug/kg | 0.727 | 0.325 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.727 | 0.206 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.74 | 0.662 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.873 | 0.391 | 1 | A |
| Aldrin | ND | | ug/kg | 1.74 | 0.615 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.27 | 0.982 | 1 | A |
| Endrin | ND | | ug/kg | 0.727 | 0.298 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.18 | 0.764 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.74 | 0.450 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.09 | 0.546 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.74 | 0.404 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.74 | 0.623 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.27 | 1.40 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.74 | 0.412 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.74 | 0.583 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.727 | 0.346 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.27 | 1.02 | 1 | A |
| Toxaphene | ND | | ug/kg | 32.7 | 9.16 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.18 | 0.608 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.18 | 0.576 | 1 | A |
| Chlordane | ND | | ug/kg | 14.2 | 5.78 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02
Client ID: SB-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 15:05
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 149 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 90 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02
Client ID: SB-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 15:05
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/10/18 22:00
Analyst: SL
Percent Solids: 91%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 179 | 11.2 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 179 | 5.54 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 179 | 4.75 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 110 | | 30-150 | A |
| DCAA | 85 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03
Client ID: SB-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 16:38
Analyst: JW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.78 | 0.349 | 1 | A |
| Lindane | ND | | ug/kg | 0.742 | 0.332 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.742 | 0.211 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.78 | 0.675 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.890 | 0.399 | 1 | A |
| Aldrin | ND | | ug/kg | 1.78 | 0.627 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.34 | 1.00 | 1 | A |
| Endrin | ND | | ug/kg | 0.742 | 0.304 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.23 | 0.779 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.78 | 0.458 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.11 | 0.556 | 1 | A |
| 4,4'-DDE | 0.860 | JPI | ug/kg | 1.78 | 0.412 | 1 | B |
| 4,4'-DDD | 4.23 | | ug/kg | 1.78 | 0.635 | 1 | B |
| 4,4'-DDT | ND | | ug/kg | 3.34 | 1.43 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.78 | 0.421 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.78 | 0.595 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.742 | 0.353 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.34 | 1.04 | 1 | A |
| Toxaphene | ND | | ug/kg | 33.4 | 9.35 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.23 | 0.620 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.23 | 0.588 | 1 | A |
| Chlordane | ND | | ug/kg | 14.5 | 5.90 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03
Client ID: SB-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 10:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | A |
| Decachlorobiphenyl | 121 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03
Client ID: SB-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/10/18 22:19
Analyst: SL
Percent Solids: 87%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 190 | 12.0 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 190 | 5.88 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 190 | 5.05 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | **152** | Q | 30-150 | A |
| DCAA | 110 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04
Client ID: SB-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 16:51
Analyst: JW
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.95 | 0.382 | 1 | A |
| Lindane | ND | | ug/kg | 0.813 | 0.363 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.813 | 0.231 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.95 | 0.740 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.976 | 0.437 | 1 | A |
| Aldrin | ND | | ug/kg | 1.95 | 0.687 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.66 | 1.10 | 1 | A |
| Endrin | ND | | ug/kg | 0.813 | 0.333 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.44 | 0.854 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.95 | 0.502 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.22 | 0.610 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.95 | 0.451 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.95 | 0.696 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.66 | 1.57 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.95 | 0.461 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.95 | 0.652 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.813 | 0.387 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.66 | 1.14 | 1 | A |
| Toxaphene | ND | | ug/kg | 36.6 | 10.2 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.44 | 0.680 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.44 | 0.644 | 1 | A |
| Chlordane | ND | | ug/kg | 15.8 | 6.46 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04
Client ID: SB-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 81 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04
Client ID: SB-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/10/18 22:38
Analyst: SL
Percent Solids: 81%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 204 | 12.9 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 204 | 6.33 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 204 | 5.43 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 129 | | 30-150 | A |
| DCAA | 97 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05
Client ID: SB-5A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/10/18 22:56
Analyst: SL
Percent Solids: 79%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 208 | 13.1 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 208 | 6.46 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 208 | 5.55 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 90 | | 30-150 | A |
| DCAA | 101 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 D
Client ID: SB-5A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 20:24
Analyst: JW
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 39.8 | 7.79 | 20 | A |
| Lindane | ND | | ug/kg | 16.6 | 7.41 | 20 | A |
| Alpha-BHC | ND | | ug/kg | 16.6 | 4.71 | 20 | A |
| Beta-BHC | ND | | ug/kg | 39.8 | 15.1 | 20 | A |
| Heptachlor | ND | | ug/kg | 19.9 | 8.92 | 20 | A |
| Aldrin | ND | | ug/kg | 39.8 | 14.0 | 20 | A |
| Heptachlor epoxide | ND | | ug/kg | 74.6 | 22.4 | 20 | A |
| Endrin | ND | | ug/kg | 16.6 | 6.80 | 20 | A |
| Endrin aldehyde | ND | | ug/kg | 49.7 | 17.4 | 20 | A |
| Endrin ketone | ND | | ug/kg | 39.8 | 10.2 | 20 | A |
| Dieldrin | ND | | ug/kg | 24.9 | 12.4 | 20 | A |
| 4,4'-DDE | ND | | ug/kg | 39.8 | 9.20 | 20 | A |
| 4,4'-DDD | 18.0 | JPI | ug/kg | 39.8 | 14.2 | 20 | A |
| 4,4'-DDT | ND | | ug/kg | 74.6 | 32.0 | 20 | A |
| Endosulfan I | ND | | ug/kg | 39.8 | 9.40 | 20 | A |
| Endosulfan II | ND | | ug/kg | 39.8 | 13.3 | 20 | A |
| Endosulfan sulfate | ND | | ug/kg | 16.6 | 7.89 | 20 | A |
| Methoxychlor | ND | | ug/kg | 74.6 | 23.2 | 20 | A |
| Toxaphene | ND | | ug/kg | 746 | 209. | 20 | A |
| cis-Chlordane | ND | | ug/kg | 49.7 | 13.8 | 20 | A |
| trans-Chlordane | ND | | ug/kg | 49.7 | 13.1 | 20 | A |
| Chlordane | ND | | ug/kg | 323 | 132. | 20 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 D
Client ID: SB-5A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06
Client ID: SB-6A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 14:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 17:04
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.69 | 0.330 | 1 | A |
| Lindane | ND | | ug/kg | 0.703 | 0.314 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.703 | 0.200 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.69 | 0.640 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.844 | 0.378 | 1 | A |
| Aldrin | ND | | ug/kg | 1.69 | 0.594 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.16 | 0.949 | 1 | A |
| Endrin | ND | | ug/kg | 0.703 | 0.288 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.11 | 0.738 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.69 | 0.434 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.05 | 0.527 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.69 | 0.390 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.69 | 0.602 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.16 | 1.36 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.69 | 0.399 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.69 | 0.564 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.703 | 0.335 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.16 | 0.984 | 1 | A |
| Toxaphene | ND | | ug/kg | 31.6 | 8.86 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.11 | 0.588 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.11 | 0.557 | 1 | A |
| Chlordane | ND | | ug/kg | 13.7 | 5.59 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06
Client ID: SB-6A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 14:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | A |
| Decachlorobiphenyl | 104 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06
Client ID: SB-6A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 14:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/10/18 23:15
Analyst: SL
Percent Solids: 90%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 183 | 11.5 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 183 | 5.68 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 183 | 4.88 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | **156** | Q | 30-150 | A |
| DCAA | 115 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07
Client ID: SB-7A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 12:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 17:16
Analyst: JW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.85 | 0.362 | 1 | A |
| Lindane | ND | | ug/kg | 0.769 | 0.344 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.769 | 0.218 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.85 | 0.700 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.923 | 0.414 | 1 | A |
| Aldrin | ND | | ug/kg | 1.85 | 0.650 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.46 | 1.04 | 1 | A |
| Endrin | ND | | ug/kg | 0.769 | 0.315 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.31 | 0.808 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.85 | 0.475 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.15 | 0.577 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.85 | 0.427 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.85 | 0.658 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.46 | 1.48 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.85 | 0.436 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.85 | 0.617 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.769 | 0.366 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.46 | 1.08 | 1 | A |
| Toxaphene | ND | | ug/kg | 34.6 | 9.69 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.31 | 0.643 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.31 | 0.609 | 1 | A |
| Chlordane | ND | | ug/kg | 15.0 | 6.11 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07
Client ID: SB-7A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 12:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 96 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 95 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07
Client ID: SB-7A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 12:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/10/18 23:53
Analyst: KEG
Percent Solids: 87%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 189 | 11.9 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 189 | 5.87 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 189 | 5.03 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | **188** | Q | 30-150 | A |
| DCAA | 113 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08
Client ID: SB-8A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:25
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 17:28
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.68 | 0.328 | 1 | A |
| Lindane | ND | | ug/kg | 0.699 | 0.312 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.699 | 0.198 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.68 | 0.636 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.838 | 0.376 | 1 | A |
| Aldrin | ND | | ug/kg | 1.68 | 0.590 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.14 | 0.943 | 1 | A |
| Endrin | ND | | ug/kg | 0.699 | 0.286 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.10 | 0.734 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.68 | 0.432 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.05 | 0.524 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.68 | 0.388 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.68 | 0.598 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.14 | 1.35 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.68 | 0.396 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.68 | 0.560 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.699 | 0.332 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.14 | 0.978 | 1 | A |
| Toxaphene | ND | | ug/kg | 31.4 | 8.80 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.10 | 0.584 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.10 | 0.553 | 1 | A |
| Chlordane | ND | | ug/kg | 13.6 | 5.55 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08 Date Collected: 06/05/18 12:25

Client ID: SB-8A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 30-150 | A |
| Decachlorobiphenyl | 82 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08
Client ID: SB-8A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:25
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 00:12
Analyst: KEG
Percent Solids: 92%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 176 | 11.1 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 176 | 5.47 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 176 | 4.69 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 138 | | 30-150 | A |
| DCAA | 103 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09
Client ID: SB-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 17:41
Analyst: JW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.73 | 0.338 | 1 | A |
| Lindane | ND | | ug/kg | 0.720 | 0.322 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.720 | 0.204 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.73 | 0.655 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.864 | 0.387 | 1 | A |
| Aldrin | ND | | ug/kg | 1.73 | 0.608 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.24 | 0.971 | 1 | A |
| Endrin | ND | | ug/kg | 0.720 | 0.295 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.16 | 0.756 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.73 | 0.445 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.08 | 0.540 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.73 | 0.399 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.73 | 0.616 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.24 | 1.39 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.73 | 0.408 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.73 | 0.577 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.720 | 0.342 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.24 | 1.01 | 1 | A |
| Toxaphene | ND | | ug/kg | 32.4 | 9.07 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.16 | 0.602 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.16 | 0.570 | 1 | A |
| Chlordane | ND | | ug/kg | 14.0 | 5.72 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09
Client ID: SB-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 101 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09
Client ID: SB-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 00:30
Analyst: KEG
Percent Solids: 87%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 186 | 11.7 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 186 | 5.75 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 186 | 4.94 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | **159** | Q | 30-150 | A |
| DCAA | 99 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10
Client ID: SB-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 15:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 17:54
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.66 | 0.324 | 1 | A |
| Lindane | ND | | ug/kg | 0.690 | 0.308 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.690 | 0.196 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.66 | 0.628 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.828 | 0.371 | 1 | A |
| Aldrin | ND | | ug/kg | 1.66 | 0.583 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.10 | 0.931 | 1 | A |
| Endrin | ND | | ug/kg | 0.690 | 0.283 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.07 | 0.724 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.66 | 0.426 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.03 | 0.517 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.66 | 0.383 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.66 | 0.590 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.10 | 1.33 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.66 | 0.391 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.66 | 0.553 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.690 | 0.328 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.10 | 0.966 | 1 | A |
| Toxaphene | ND | | ug/kg | 31.0 | 8.69 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.07 | 0.577 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.07 | 0.546 | 1 | A |
| Chlordane | ND | | ug/kg | 13.4 | 5.48 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10
Client ID: SB-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 15:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10
Client ID: SB-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 15:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 00:49
Analyst: KEG
Percent Solids: 91%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 181 | 11.4 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 181 | 5.60 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 181 | 4.81 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | **151** | Q | 30-150 | A |
| DCAA | 115 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11
Client ID: SB-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 18:06
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.72 | 0.338 | 1 | A |
| Lindane | ND | | ug/kg | 0.719 | 0.321 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.719 | 0.204 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.72 | 0.654 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.863 | 0.387 | 1 | A |
| Aldrin | ND | | ug/kg | 1.72 | 0.607 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.23 | 0.970 | 1 | A |
| Endrin | ND | | ug/kg | 0.719 | 0.295 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.16 | 0.755 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.72 | 0.444 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.08 | 0.539 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.72 | 0.399 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.72 | 0.615 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.23 | 1.39 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.72 | 0.408 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.72 | 0.576 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.719 | 0.342 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.23 | 1.01 | 1 | A |
| Toxaphene | ND | | ug/kg | 32.3 | 9.06 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.16 | 0.601 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.16 | 0.569 | 1 | A |
| Chlordane | ND | | ug/kg | 14.0 | 5.71 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11
Client ID: SB-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 11:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 109 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 104 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11
Client ID: SB-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 01:08
Analyst: KEG
Percent Solids: 92%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 178 | 11.2 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 178 | 5.54 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 178 | 4.75 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | **158** | Q | 30-150 | A |
| DCAA | 108 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12
Client ID: SB-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 18:19
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.70 | 0.334 | 1 | A |
| Lindane | ND | | ug/kg | 0.710 | 0.317 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.710 | 0.202 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.70 | 0.646 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.852 | 0.382 | 1 | A |
| Aldrin | ND | | ug/kg | 1.70 | 0.600 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.19 | 0.958 | 1 | A |
| Endrin | ND | | ug/kg | 0.710 | 0.291 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.13 | 0.745 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.70 | 0.439 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.06 | 0.532 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.70 | 0.394 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.70 | 0.608 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.19 | 1.37 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.70 | 0.402 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.70 | 0.569 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.710 | 0.338 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.19 | 0.994 | 1 | A |
| Toxaphene | ND | | ug/kg | 31.9 | 8.94 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.13 | 0.593 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.13 | 0.562 | 1 | A |
| Chlordane | ND | | ug/kg | 13.8 | 5.64 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12
Client ID: SB-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 100 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 99 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12
Client ID: SB-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 01:27
Analyst: KEG
Percent Solids: 89%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 182 | 11.5 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 182 | 5.64 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 182 | 4.84 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | **168** | Q | 30-150 | A |
| DCAA | 115 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13
Client ID: SB-5B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 18:31
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:08
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.66 | 0.325 | 1 | A |
| Lindane | ND | | ug/kg | 0.692 | 0.309 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.692 | 0.196 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.66 | 0.630 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.830 | 0.372 | 1 | A |
| Aldrin | ND | | ug/kg | 1.66 | 0.585 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.11 | 0.934 | 1 | A |
| Endrin | ND | | ug/kg | 0.692 | 0.284 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.08 | 0.727 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.66 | 0.428 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.04 | 0.519 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.66 | 0.384 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.66 | 0.592 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.11 | 1.34 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.66 | 0.392 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.66 | 0.555 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.692 | 0.329 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.11 | 0.969 | 1 | A |
| Toxaphene | ND | | ug/kg | 31.1 | 8.72 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.08 | 0.579 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.08 | 0.548 | 1 | A |
| Chlordane | ND | | ug/kg | 13.5 | 5.50 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13
Client ID: SB-5B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 118 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | A |
| Decachlorobiphenyl | 107 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13
Client ID: SB-5B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 01:46
Analyst: KEG
Percent Solids: 91%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 181 | 11.4 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 181 | 5.60 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 181 | 4.81 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | **161** | Q | 30-150 | A |
| DCAA | 109 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14
Client ID: SB-6B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 14:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 18:44
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:08
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.73 | 0.338 | 1 | A |
| Lindane | ND | | ug/kg | 0.719 | 0.321 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.719 | 0.204 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.73 | 0.654 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.863 | 0.387 | 1 | A |
| Aldrin | ND | | ug/kg | 1.73 | 0.608 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.24 | 0.971 | 1 | A |
| Endrin | ND | | ug/kg | 0.719 | 0.295 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.16 | 0.755 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.73 | 0.444 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.08 | 0.539 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.73 | 0.399 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.73 | 0.616 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.24 | 1.39 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.73 | 0.408 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.73 | 0.577 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.719 | 0.342 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.24 | 1.01 | 1 | A |
| Toxaphene | ND | | ug/kg | 32.4 | 9.06 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.16 | 0.601 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.16 | 0.570 | 1 | A |
| Chlordane | ND | | ug/kg | 14.0 | 5.72 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14
Client ID: SB-6B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 14:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 93 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | A |
| Decachlorobiphenyl | 87 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14
Client ID: SB-6B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 14:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 02:04
Analyst: KEG
Percent Solids: 91%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 181 | 11.4 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 181 | 5.61 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 181 | 4.82 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 123 | | 30-150 | A |
| DCAA | 103 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15
Client ID: SB-7B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 12:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 18:56
Analyst: JW
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:08
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.88 | 0.367 | 1 | A |
| Lindane | ND | | ug/kg | 0.782 | 0.349 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.782 | 0.222 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.88 | 0.711 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.938 | 0.421 | 1 | A |
| Aldrin | ND | | ug/kg | 1.88 | 0.661 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.52 | 1.06 | 1 | A |
| Endrin | ND | | ug/kg | 0.782 | 0.320 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.34 | 0.821 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.88 | 0.483 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.17 | 0.586 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.88 | 0.434 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.88 | 0.669 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.52 | 1.51 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.88 | 0.443 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.88 | 0.627 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.782 | 0.372 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.52 | 1.09 | 1 | A |
| Toxaphene | ND | | ug/kg | 35.2 | 9.85 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.34 | 0.654 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.34 | 0.619 | 1 | A |
| Chlordane | ND | | ug/kg | 15.2 | 6.22 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15
Client ID: SB-7B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 12:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 100 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 110 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15
Client ID: SB-7B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 12:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 02:23
Analyst: KEG
Percent Solids: 84%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 192 | 12.1 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 192 | 5.95 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 192 | 5.11 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | **154** | Q | 30-150 | A |
| DCAA | 106 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16
Client ID: SB-8B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 02:42
Analyst: KEG
Percent Solids: 89%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 183 | 11.5 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 183 | 5.67 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 183 | 4.86 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 144 | | 30-150 | A |
| DCAA | **189** | Q | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16 D
Client ID: SB-8B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/18 18:51
Analyst: DGM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:08
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 85.7 | 16.8 | 50 | A |
| Lindane | ND | | ug/kg | 35.7 | 16.0 | 50 | A |
| Alpha-BHC | ND | | ug/kg | 35.7 | 10.1 | 50 | A |
| Beta-BHC | ND | | ug/kg | 85.7 | 32.5 | 50 | A |
| Heptachlor | ND | | ug/kg | 42.9 | 19.2 | 50 | A |
| Aldrin | ND | | ug/kg | 85.7 | 30.2 | 50 | A |
| Heptachlor epoxide | ND | | ug/kg | 161 | 48.2 | 50 | A |
| Endrin | ND | | ug/kg | 35.7 | 14.6 | 50 | A |
| Endrin aldehyde | ND | | ug/kg | 107 | 37.5 | 50 | A |
| Endrin ketone | ND | | ug/kg | 85.7 | 22.1 | 50 | A |
| Dieldrin | ND | | ug/kg | 53.6 | 26.8 | 50 | A |
| 4,4'-DDE | ND | | ug/kg | 85.7 | 19.8 | 50 | A |
| 4,4'-DDD | ND | | ug/kg | 85.7 | 30.6 | 50 | A |
| 4,4'-DDT | ND | | ug/kg | 161 | 68.9 | 50 | A |
| Endosulfan I | ND | | ug/kg | 85.7 | 20.2 | 50 | A |
| Endosulfan II | ND | | ug/kg | 85.7 | 28.6 | 50 | A |
| Endosulfan sulfate | ND | | ug/kg | 35.7 | 17.0 | 50 | A |
| Methoxychlor | ND | | ug/kg | 161 | 50.0 | 50 | A |
| Toxaphene | ND | | ug/kg | 1610 | 450. | 50 | A |
| cis-Chlordane | ND | | ug/kg | 107 | 29.9 | 50 | A |
| trans-Chlordane | ND | | ug/kg | 107 | 28.3 | 50 | A |
| Chlordane | ND | | ug/kg | 696 | 284. | 50 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16 D
Client ID: SB-8B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|

Organochlorine Pesticides by GC - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17
Client ID: DUP-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 07:33
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 16:01
Analyst: JW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:08
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.66 | 0.326 | 1 | A |
| Lindane | ND | | ug/kg | 0.692 | 0.310 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.692 | 0.197 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.66 | 0.630 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.831 | 0.372 | 1 | A |
| Aldrin | ND | | ug/kg | 1.66 | 0.585 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.12 | 0.935 | 1 | A |
| Endrin | ND | | ug/kg | 0.692 | 0.284 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.08 | 0.727 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.66 | 0.428 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.04 | 0.519 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.66 | 0.384 | 1 | A |
| 4,4'-DDD | 3.06 | PI | ug/kg | 1.66 | 0.593 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.12 | 1.34 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.66 | 0.393 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.66 | 0.555 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.692 | 0.330 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.12 | 0.970 | 1 | A |
| Toxaphene | ND | | ug/kg | 31.2 | 8.73 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.08 | 0.579 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.08 | 0.548 | 1 | A |
| Chlordane | ND | | ug/kg | 13.5 | 5.50 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17
Client ID: DUP-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 07:33
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 81 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 132 | | 30-150 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17
Client ID: DUP-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 07:33
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 03:20
Analyst: KEG
Percent Solids: 93%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 177 | 11.2 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 177 | 5.49 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 177 | 4.71 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 138 | | 30-150 | A |
| DCAA | 116 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/18 16:13
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:08
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.75 | 0.342 | 1 | A |
| Lindane | ND | | ug/kg | 0.728 | 0.325 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.728 | 0.207 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.75 | 0.662 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.874 | 0.392 | 1 | A |
| Aldrin | ND | | ug/kg | 1.75 | 0.615 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.28 | 0.983 | 1 | A |
| Endrin | ND | | ug/kg | 0.728 | 0.298 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.18 | 0.764 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.75 | 0.450 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.09 | 0.546 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.75 | 0.404 | 1 | A |
| 4,4'-DDD | 4.17 | PI | ug/kg | 1.75 | 0.623 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.28 | 1.40 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.75 | 0.413 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.75 | 0.584 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.728 | 0.346 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.28 | 1.02 | 1 | A |
| Toxaphene | ND | | ug/kg | 32.8 | 9.17 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.18 | 0.608 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.18 | 0.576 | 1 | A |
| Chlordane | ND | | ug/kg | 14.2 | 5.79 | 1 | A |



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**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | B |
| Decachlorobiphenyl | 89 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 115 | | 30-150 | A |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 03:38
Analyst: KEG
Percent Solids: 90%
Methylation Date: 06/09/18 21:38

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 181 | 11.4 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 181 | 5.60 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 181 | 4.81 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 121 | | 30-150 | A |
| DCAA | 107 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/12/18 11:30
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 08:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | B |
| Decachlorobiphenyl | 57 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 06/11/18 17:52
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 06/10/18 00:04

Methylation Date: 06/11/18 12:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/l | 10.0 | 0.498 | 1 | A |
| 2,4,5-T | ND | | ug/l | 2.00 | 0.531 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/l | 2.00 | 0.539 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 96 | | 30-150 | A |
| DCAA | 103 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/12/18 11:43
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 08:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 06/11/18 05:50
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 02:08

Methylation Date: 06/09/18 16:44

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/l | 10.0 | 0.498 | 1 | A |
| 2,4,5-T | ND | | ug/l | 2.00 | 0.531 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/l | 2.00 | 0.539 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 143 | | 30-150 | A |
| DCAA | 107 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/12/18 12:22
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 08:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 86 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 06/11/18 18:12
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 06/10/18 00:04

Methylation Date: 06/11/18 12:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/l | 10.0 | 0.498 | 1 | A |
| 2,4,5-T | ND | | ug/l | 2.00 | 0.531 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/l | 2.00 | 0.539 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 96 | | 30-150 | A |
| DCAA | 99 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/12/18 12:34
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 08:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22 Date Collected: 06/05/18 11:50

Client ID: GW-DUP Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | A |
| Decachlorobiphenyl | 84 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 06/11/18 18:32
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 06/10/18 00:04

Methylation Date: 06/11/18 12:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/l | 10.0 | 0.498 | 1 | A |
| 2,4,5-T | ND | | ug/l | 2.00 | 0.531 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/l | 2.00 | 0.539 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 101 | | 30-150 | A |
| DCAA | 108 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-29
Client ID: SS-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 20:50
Analyst: KEG
Percent Solids: 90%
Methylation Date: 06/11/18 12:55

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 11:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 183 | 11.5 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 183 | 5.68 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 183 | 4.88 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 80 | | 30-150 | A |
| DCAA | 92 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-30
Client ID: SS-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:08
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 21:30
Analyst: KEG
Percent Solids: 83%
Methylation Date: 06/11/18 12:55

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 11:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 199 | 12.5 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 199 | 6.16 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 199 | 5.29 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 100 | | 30-150 | A |
| DCAA | 94 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31
Client ID: SS-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/12/18 00:31
Analyst: KEG
Percent Solids: 91%
Methylation Date: 06/11/18 12:55

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 11:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 180 | 11.3 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 180 | 5.56 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 180 | 4.78 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 110 | | 30-150 | A |
| DCAA | 101 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-32
Client ID: SS-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/12/18 00:51
Analyst: KEG
Percent Solids: 86%
Methylation Date: 06/11/18 12:55

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 11:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 191 | 12.0 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 191 | 5.91 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 191 | 5.07 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 93 | | 30-150 | A |
| DCAA | 107 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33
Client ID: SS-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 08:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/12/18 01:11
Analyst: KEG
Percent Solids: 91%
Methylation Date: 06/11/18 12:55

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 11:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 181 | 11.4 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 181 | 5.61 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 181 | 4.81 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 84 | | 30-150 | A |
| DCAA | 101 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-34
Client ID: SS-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/12/18 01:30
Analyst: KEG
Percent Solids: 87%
Methylation Date: 06/11/18 12:55

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 11:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 186 | 11.7 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 186 | 5.77 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 186 | 4.96 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 112 | | 30-150 | A |
| DCAA | 100 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-35
Client ID: SS-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 23:52
Analyst: KEG
Percent Solids: 91%
Methylation Date: 06/11/18 12:55

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 11:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 179 | 11.2 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 179 | 5.54 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 179 | 4.75 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 93 | | 30-150 | A |
| DCAA | 98 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-36
Client ID: SS-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/11/18 22:29
Analyst: KEG
Percent Solids: 87%
Methylation Date: 06/11/18 12:55

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 11:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/kg | 187 | 11.8 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 187 | 5.80 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 187 | 4.98 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 94 | | 30-150 | A |
| DCAA | 105 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/12/18 12:47
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 08:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | B |
| Decachlorobiphenyl | 73 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 06/11/18 18:52
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 06/10/18 00:04

Methylation Date: 06/11/18 12:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/l | 10.0 | 0.498 | 1 | A |
| 2,4,5-T | ND | | ug/l | 2.00 | 0.531 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/l | 2.00 | 0.539 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 93 | | 30-150 | A |
| DCAA | 95 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/12/18 13:00
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 08:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |



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**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 68 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 06/11/18 19:11
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 06/10/18 00:04

Methylation Date: 06/11/18 12:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Chlorinated Herbicides by GC - Westborough Lab** | | | | | | | |
| 2,4-D | ND | | ug/l | 10.0 | 0.498 | 1 | A |
| 2,4,5-T | ND | | ug/l | 2.00 | 0.531 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/l | 2.00 | 0.539 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 108 | | 30-150 | A |
| DCAA | 93 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/10/18 20:26
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 06/08/18 15:37

Methylation Date: 06/09/18 21:38

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-18 Batch: WG1124048-1 | | | | | | |
| 2,4-D | ND | | ug/kg | 163 | 10.2 | A |
| 2,4,5-T | ND | | ug/kg | 163 | 5.04 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 163 | 4.33 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 124 | | 30-150 | A |
| DCAA | 104 | | 30-150 | B |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/11/18 19:21
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-18 Batch: WG1124134-1 | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.55 | 0.304 | A |
| Lindane | ND | | ug/kg | 0.648 | 0.290 | A |
| Alpha-BHC | ND | | ug/kg | 0.648 | 0.184 | A |
| Beta-BHC | ND | | ug/kg | 1.55 | 0.589 | A |
| Heptachlor | ND | | ug/kg | 0.777 | 0.348 | A |
| Aldrin | ND | | ug/kg | 1.55 | 0.547 | A |
| Heptachlor epoxide | ND | | ug/kg | 2.91 | 0.874 | A |
| Endrin | ND | | ug/kg | 0.648 | 0.266 | A |
| Endrin aldehyde | ND | | ug/kg | 1.94 | 0.680 | A |
| Endrin ketone | ND | | ug/kg | 1.55 | 0.400 | A |
| Dieldrin | ND | | ug/kg | 0.972 | 0.486 | A |
| 4,4'-DDE | ND | | ug/kg | 1.55 | 0.359 | A |
| 4,4'-DDD | ND | | ug/kg | 1.55 | 0.554 | A |
| 4,4'-DDT | ND | | ug/kg | 2.91 | 1.25 | A |
| Endosulfan I | ND | | ug/kg | 1.55 | 0.367 | A |
| Endosulfan II | ND | | ug/kg | 1.55 | 0.519 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.648 | 0.308 | A |
| Methoxychlor | ND | | ug/kg | 2.91 | 0.907 | A |
| Toxaphene | ND | | ug/kg | 29.1 | 8.16 | A |
| cis-Chlordane | ND | | ug/kg | 1.94 | 0.541 | A |
| trans-Chlordane | ND | | ug/kg | 1.94 | 0.513 | A |
| Chlordane | ND | | ug/kg | 12.6 | 5.15 | A |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/11/18 19:21
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/09/18 00:06
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/18

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-18 Batch: WG1124134-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | B |
| Decachlorobiphenyl | 105 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | A |
| Decachlorobiphenyl | 113 | | 30-150 | A |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/11/18 04:16
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 02:08

Methylation Date: 06/09/18 16:44

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124165-1 | | | | | | |
| 2,4-D | ND | | ug/l | 10.0 | 0.498 | A |
| 2,4,5-T | ND | | ug/l | 2.00 | 0.531 | A |
| 2,4,5-TP (Silvex) | ND | | ug/l | 2.00 | 0.539 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 129 | | 30-150 | A |
| DCAA | 93 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/11/18 16:49
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 03:43

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124180-1 | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDT | 0.007 | J | ug/l | 0.029 | 0.003 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | A |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/11/18 16:49
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 03:43

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124180-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 | A |
| Decachlorobiphenyl | 50 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 | B |
| Decachlorobiphenyl | 55 | | 30-150 | B |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/11/18 06:28
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 06/09/18 05:04

Methylation Date: 06/09/18 22:12

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 29-36 Batch: WG1124189-1 | | | | | | |
| 2,4-D | ND | | ug/kg | 163 | 10.3 | A |
| 2,4,5-T | ND | | ug/kg | 163 | 5.06 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 163 | 4.34 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| DCAA | 105 | | 30-150 | A |
| DCAA | 122 | | 30-150 | B |



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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-18 Batch: WG1124048-2 WG1124048-3 | | | | | | | | | |
| 2,4-D | 150 | | **166** | Q | 30-150 | 10 | | 30 | A |
| 2,4,5-T | 107 | | 116 | | 30-150 | 8 | | 30 | A |
| 2,4,5-TP (Silvex) | 132 | | 144 | | 30-150 | 9 | | 30 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| DCAA | 116 | | 138 | | 30-150 | A |
| DCAA | 105 | | 114 | | 30-150 | B |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-18 Batch: WG1124134-2 WG1124134-3 | | | | | | | | | |
| Delta-BHC | 126 | | 126 | | 30-150 | 0 | | 30 | A |
| Lindane | 117 | | 118 | | 30-150 | 1 | | 30 | A |
| Alpha-BHC | 119 | | 119 | | 30-150 | 0 | | 30 | A |
| Beta-BHC | 111 | | 106 | | 30-150 | 5 | | 30 | A |
| Heptachlor | 88 | | 92 | | 30-150 | 4 | | 30 | A |
| Aldrin | 115 | | 116 | | 30-150 | 1 | | 30 | A |
| Heptachlor epoxide | 118 | | 118 | | 30-150 | 0 | | 30 | A |
| Endrin | 125 | | 123 | | 30-150 | 2 | | 30 | A |
| Endrin aldehyde | 127 | | 120 | | 30-150 | 6 | | 30 | A |
| Endrin ketone | 139 | | 147 | | 30-150 | 6 | | 30 | A |
| Dieldrin | 129 | | 131 | | 30-150 | 2 | | 30 | A |
| 4,4'-DDE | 123 | | 124 | | 30-150 | 1 | | 30 | A |
| 4,4'-DDD | 127 | | 131 | | 30-150 | 3 | | 30 | A |
| 4,4'-DDT | 124 | | 127 | | 30-150 | 2 | | 30 | A |
| Endosulfan I | 118 | | 122 | | 30-150 | 3 | | 30 | A |
| Endosulfan II | 127 | | 131 | | 30-150 | 3 | | 30 | A |
| Endosulfan sulfate | 136 | | 139 | | 30-150 | 2 | | 30 | A |
| Methoxychlor | 113 | | 121 | | 30-150 | 7 | | 30 | A |
| cis-Chlordane | 104 | | 113 | | 30-150 | 8 | | 30 | A |
| trans-Chlordane | 120 | | 118 | | 30-150 | 2 | | 30 | A |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-18 Batch: WG1124134-2 WG1124134-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 82 | | 30-150 | B |
| Decachlorobiphenyl | 112 | | 105 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 86 | | 30-150 | A |
| Decachlorobiphenyl | 115 | | 109 | | 30-150 | A |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124165-2 WG1124165-3 | | | | | | | | | |
| 2,4-D | 141 | | 138 | | 30-150 | 2 | | 25 | A |
| 2,4,5-T | 105 | | 102 | | 30-150 | 3 | | 25 | A |
| 2,4,5-TP (Silvex) | 142 | | 137 | | 30-150 | 4 | | 25 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| DCAA | 129 | | 122 | | 30-150 | A |
| DCAA | 108 | | 108 | | 30-150 | B |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124180-2 WG1124180-3 | | | | | | | | | |
| Delta-BHC | 64 | | 61 | | 30-150 | 5 | | 20 | A |
| Lindane | 58 | | 55 | | 30-150 | 6 | | 20 | A |
| Alpha-BHC | 61 | | 57 | | 30-150 | 8 | | 20 | A |
| Beta-BHC | 55 | | 54 | | 30-150 | 3 | | 20 | A |
| Heptachlor | 55 | | 52 | | 30-150 | 7 | | 20 | A |
| Aldrin | 57 | | 51 | | 30-150 | 11 | | 20 | A |
| Heptachlor epoxide | 59 | | 54 | | 30-150 | 9 | | 20 | A |
| Endrin | 62 | | 57 | | 30-150 | 8 | | 20 | A |
| Endrin aldehyde | 57 | | 54 | | 30-150 | 6 | | 20 | A |
| Endrin ketone | 60 | | 55 | | 30-150 | 9 | | 20 | A |
| Dieldrin | 63 | | 59 | | 30-150 | 7 | | 20 | A |
| 4,4'-DDE | 58 | | 53 | | 30-150 | 9 | | 20 | A |
| 4,4'-DDD | 62 | | 55 | | 30-150 | 12 | | 20 | A |
| 4,4'-DDT | 60 | | 54 | | 30-150 | 10 | | 20 | A |
| Endosulfan I | 58 | | 54 | | 30-150 | 8 | | 20 | A |
| Endosulfan II | 57 | | 51 | | 30-150 | 12 | | 20 | A |
| Endosulfan sulfate | 62 | | 58 | | 30-150 | 7 | | 20 | A |
| Methoxychlor | 54 | | 52 | | 30-150 | 4 | | 20 | A |
| cis-Chlordane | 52 | | 47 | | 30-150 | 10 | | 20 | A |
| trans-Chlordane | 62 | | 52 | | 30-150 | 17 | | 20 | A |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124180-2 WG1124180-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 46 | | 30-150 | A |
| Decachlorobiphenyl | 45 | | 41 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 44 | | 30-150 | B |
| Decachlorobiphenyl | 50 | | 53 | | 30-150 | B |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 29-36 Batch: WG1124189-2 WG1124189-3 | | | | | | | | | |
| 2,4-D | 126 | | 141 | | 30-150 | 11 | | 30 | A |
| 2,4,5-T | 88 | | 89 | | 30-150 | 1 | | 30 | A |
| 2,4,5-TP (Silvex) | 121 | | 119 | | 30-150 | 2 | | 30 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| DCAA | 101 | | 104 | | 30-150 | A |
| DCAA | 102 | | 106 | | 30-150 | B |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124165-4 WG1124165-5 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | | |
| 2,4-D | ND | 5 | 7.74J | **155** | Q | 7.44J | 149 | | 30-150 | 4 | | 25 | A |
| 2,4,5-T | ND | 5 | 5.52 | 110 | | 5.35 | 107 | | 30-150 | 3 | | 25 | A |
| 2,4,5-TP (Silvex) | ND | 5 | 9.26 | **185** | Q | 8.89 | **178** | Q | 30-150 | 4 | | 25 | A |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| DCAA | 132 | | 145 | | 30-150 | A |
| DCAA | **300** | Q | **336** | Q | 30-150 | B |

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# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124180-4 WG1124180-5 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | | |
| Delta-BHC | ND | 0.357 | 0.328 | 92 | | 0.333 | 93 | | 30-150 | 2 | | 30 | A |
| Lindane | ND | 0.357 | 0.305 | 85 | | 0.309 | 86 | | 30-150 | 1 | | 30 | A |
| Alpha-BHC | ND | 0.357 | 0.303 | 85 | | 0.313 | 88 | | 30-150 | 3 | | 30 | A |
| Beta-BHC | ND | 0.357 | 0.321 | 90 | | 0.319 | 89 | | 30-150 | 1 | | 30 | A |
| Heptachlor | ND | 0.357 | 0.298 | 83 | | 0.292 | 82 | | 30-150 | 2 | | 30 | A |
| Aldrin | ND | 0.357 | 0.281 | 79 | | 0.285 | 80 | | 30-150 | 1 | | 30 | A |
| Heptachlor epoxide | ND | 0.357 | 0.306 | 86 | | 0.318 | 89 | | 30-150 | 4 | | 30 | A |
| Endrin | ND | 0.357 | 0.293 | 82 | | 0.286 | 80 | | 30-150 | 2 | | 30 | A |
| Endrin aldehyde | ND | 0.357 | 0.244 | 68 | | 0.248 | 69 | | 30-150 | 2 | | 30 | A |
| Endrin ketone | ND | 0.357 | 0.306 | 86 | | 0.305 | 85 | | 30-150 | 0 | | 30 | A |
| Dieldrin | ND | 0.357 | 0.291 | 82 | | 0.295 | 83 | | 30-150 | 1 | | 30 | A |
| 4,4'-DDE | ND | 0.357 | 0.283 | 79 | | 0.278 | 78 | | 30-150 | 2 | | 30 | A |
| 4,4'-DDD | ND | 0.357 | 0.288 | 81 | | 0.277 | 78 | | 30-150 | 4 | | 30 | A |
| 4,4'-DDT | ND | 0.357 | 0.262 | 73 | | 0.260 | 73 | | 30-150 | 1 | | 30 | A |
| Endosulfan I | ND | 0.357 | 0.286 | 80 | | 0.282 | 79 | | 30-150 | 1 | | 30 | A |
| Endosulfan II | ND | 0.357 | 0.273 | 76 | | 0.271 | 76 | | 30-150 | 1 | | 30 | A |
| Endosulfan sulfate | ND | 0.357 | 0.293 | 82 | | 0.294 | 82 | | 30-150 | 0 | | 30 | A |
| Methoxychlor | ND | 0.357 | 0.268 | 75 | | 0.255 | 71 | | 30-150 | 5 | | 30 | A |
| cis-Chlordane | ND | 0.357 | 0.268 | 75 | | 0.263 | 74 | | 30-150 | 2 | | 30 | A |
| trans-Chlordane | ND | 0.357 | 0.280 | 78 | | 0.280 | 78 | | 30-150 | 0 | | 30 | A |

TRIAL MODE - Click here for more information



# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124180-4 WG1124180-5 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 80 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 63 | | 30-150 | B |
| Decachlorobiphenyl | 67 | | 61 | | 30-150 | B |

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# Matrix Spike Analysis

## *Batch Quality Control*

***Project Name:*** 480 FLUSHING AVE.

***Project Number:*** 17-310

***Lab Number:*** L1820814

***Report Date:*** 06/18/18

| *Parameter* | *Native Sample* | *MS Added* | *MS Found* | *MS %Recovery* | *Qual* | *MSD Found* | *MSD %Recovery* | *Qual* | *Recovery Limits* | *RPD* | *Qual* | *RPD Limits* | *Column* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1124189-4 WG1124189-5 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | | |
| 2,4-D | ND | 178 | 196 | 110 | | 197 | 110 | | 30-150 | 1 | | 30 | A |
| 2,4,5-T | ND | 178 | 199 | 112 | | 200 | 111 | | 30-150 | 1 | | 30 | A |
| 2,4,5-TP (Silvex) | ND | 178 | 190 | 107 | | 188 | 105 | | 30-150 | 1 | | 30 | A |

| *Surrogate* | *MS % Recovery* | *MS Qualifier* | *MSD % Recovery* | *MSD Qualifier* | *Acceptance Criteria* | *Column* |
|---|---|---|---|---|---|---|
| DCAA | 97 | | 96 | | 30-150 | A |
| DCAA | 92 | | 90 | | 30-150 | B |

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# Matrix Spike Analysis

## *Batch Quality Control*

***Project Name:*** 480 FLUSHING AVE.

***Project Number:*** 17-310

***Lab Number:*** L1820814

***Report Date:*** 06/18/18

| *Parameter* | *Native Sample* | *MS Added* | *MS Found* | *MS %Recovery* | *Qual* | *MSD Found* | *MSD %Recovery* | *Qual* | *Recovery Limits* | *RPD* | *Qual* | *RPD Limits* | *Column* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1124189-6 WG1124189-7 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | | |
| 2,4-D | ND | 188 | 223 | 118 | | 209 | 110 | | 30-150 | 6 | | 30 | A |
| 2,4,5-T | ND | 188 | 215 | 114 | | 210 | 111 | | 30-150 | 2 | | 30 | A |
| 2,4,5-TP (Silvex) | ND | 188 | 204 | 108 | | 207 | 109 | | 30-150 | 1 | | 30 | A |

| *Surrogate* | *MS % Recovery* | *MS Qualifier* | *MSD % Recovery* | *MSD Qualifier* | *Acceptance Criteria* | *Column* |
|---|---|---|---|---|---|---|
| DCAA | 95 | | 101 | | 30-150 | A |
| DCAA | 109 | | 93 | | 30-150 | B |

# METALS



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**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01
Client ID: SB-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 13:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 5870 | | mg/kg | 8.46 | 2.28 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | 0.550 | J | mg/kg | 4.23 | 0.322 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 3.69 | | mg/kg | 0.846 | 0.176 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 61.5 | | mg/kg | 0.846 | 0.147 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.305 | J | mg/kg | 0.423 | 0.028 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.643 | J | mg/kg | 0.846 | 0.083 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 17900 | | mg/kg | 8.46 | 2.96 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 13.9 | | mg/kg | 0.846 | 0.081 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 5.22 | | mg/kg | 1.69 | 0.140 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 53.5 | | mg/kg | 0.846 | 0.218 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 16400 | | mg/kg | 4.23 | 0.764 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 127 | | mg/kg | 4.23 | 0.227 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 3730 | | mg/kg | 8.46 | 1.30 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 287 | | mg/kg | 0.846 | 0.134 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 2.28 | | mg/kg | 0.068 | 0.014 | 1 | 06/12/18 08:30 | 06/12/18 11:26 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 11.9 | | mg/kg | 2.12 | 0.205 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 832 | | mg/kg | 212 | 12.2 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.69 | 0.218 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.846 | 0.239 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 142 | J | mg/kg | 169 | 2.66 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.69 | 0.266 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 18.1 | | mg/kg | 0.846 | 0.172 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 103 | | mg/kg | 4.23 | 0.248 | 2 | 06/11/18 19:41 | 06/12/18 00:19 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02 Date Collected: 06/05/18 15:05

Client ID: SB-2A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 5710 | | mg/kg | 8.24 | 2.23 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.12 | 0.313 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 1.10 | | mg/kg | 0.824 | 0.171 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 30.9 | | mg/kg | 0.824 | 0.143 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.445 | | mg/kg | 0.412 | 0.027 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.503 | J | mg/kg | 0.824 | 0.081 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 506 | | mg/kg | 8.24 | 2.88 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 13.1 | | mg/kg | 0.824 | 0.079 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 5.00 | | mg/kg | 1.65 | 0.137 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 11.4 | | mg/kg | 0.824 | 0.213 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 20900 | | mg/kg | 4.12 | 0.744 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 4.34 | | mg/kg | 4.12 | 0.221 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 2220 | | mg/kg | 8.24 | 1.27 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 574 | | mg/kg | 0.824 | 0.131 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 0.042 | J | mg/kg | 0.069 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:28 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 11.5 | | mg/kg | 2.06 | 0.200 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 880 | | mg/kg | 206 | 11.9 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.65 | 0.213 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.824 | 0.233 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 90.4 | J | mg/kg | 165 | 2.60 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.65 | 0.260 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 18.6 | | mg/kg | 0.824 | 0.167 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 40.1 | | mg/kg | 4.12 | 0.242 | 2 | 06/11/18 19:41 | 06/12/18 00:24 | EPA 3050B | 1,6010C | AB |



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**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03
Client ID: SB-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 10:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 6850 | | mg/kg | 8.68 | 2.34 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | 0.582 | J | mg/kg | 4.34 | 0.330 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 4.82 | | mg/kg | 0.868 | 0.180 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 97.5 | | mg/kg | 0.868 | 0.151 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.373 | J | mg/kg | 0.434 | 0.029 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.512 | J | mg/kg | 0.868 | 0.085 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 1700 | | mg/kg | 8.68 | 3.04 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 16.9 | | mg/kg | 0.868 | 0.083 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 5.59 | | mg/kg | 1.74 | 0.144 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 33.5 | | mg/kg | 0.868 | 0.224 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 15200 | | mg/kg | 4.34 | 0.784 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 180 | | mg/kg | 4.34 | 0.233 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1900 | | mg/kg | 8.68 | 1.34 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 508 | | mg/kg | 0.868 | 0.138 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 1.25 | | mg/kg | 0.072 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:34 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 10.5 | | mg/kg | 2.17 | 0.210 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 747 | | mg/kg | 217 | 12.5 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.74 | 0.224 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.868 | 0.246 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 67.3 | J | mg/kg | 174 | 2.73 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.74 | 0.273 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 20.4 | | mg/kg | 0.868 | 0.176 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 88.0 | | mg/kg | 4.34 | 0.254 | 2 | 06/11/18 19:41 | 06/12/18 00:28 | EPA 3050B | 1,6010C | AB |



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**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04 Date Collected: 06/04/18 09:45

Client ID: SB-4A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 12500 | | mg/kg | 9.56 | 2.58 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.78 | 0.363 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 2.21 | | mg/kg | 0.956 | 0.199 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 58.4 | | mg/kg | 0.956 | 0.166 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.516 | | mg/kg | 0.478 | 0.032 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.545 | J | mg/kg | 0.956 | 0.094 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 971 | | mg/kg | 9.56 | 3.34 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 24.5 | | mg/kg | 0.956 | 0.092 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 10.6 | | mg/kg | 1.91 | 0.159 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 21.9 | | mg/kg | 0.956 | 0.247 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 22900 | | mg/kg | 4.78 | 0.863 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 7.55 | | mg/kg | 4.78 | 0.256 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 3550 | | mg/kg | 9.56 | 1.47 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 616 | | mg/kg | 0.956 | 0.152 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | ND | | mg/kg | 0.080 | 0.017 | 1 | 06/12/18 08:30 | 06/12/18 11:39 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 16.0 | | mg/kg | 2.39 | 0.231 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 1940 | | mg/kg | 239 | 13.8 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.91 | 0.247 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.956 | 0.270 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 71.9 | J | mg/kg | 191 | 3.01 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.91 | 0.301 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 36.8 | | mg/kg | 0.956 | 0.194 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 45.9 | | mg/kg | 4.78 | 0.280 | 2 | 06/11/18 19:41 | 06/12/18 00:50 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05 Date Collected: 06/05/18 11:40

Client ID: SB-5A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 4260 | | mg/kg | 9.93 | 2.68 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | 2.20 | J | mg/kg | 4.96 | 0.377 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 8.97 | | mg/kg | 0.993 | 0.206 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 992 | | mg/kg | 0.993 | 0.173 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.208 | J | mg/kg | 0.496 | 0.033 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 1.44 | | mg/kg | 0.993 | 0.097 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 13600 | | mg/kg | 9.93 | 3.48 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 38.1 | | mg/kg | 0.993 | 0.095 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 4.38 | | mg/kg | 1.99 | 0.165 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 107 | | mg/kg | 0.993 | 0.256 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 12200 | | mg/kg | 4.96 | 0.897 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 1040 | | mg/kg | 4.96 | 0.266 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 2370 | | mg/kg | 9.93 | 1.53 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 158 | | mg/kg | 0.993 | 0.158 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 2.06 | | mg/kg | 0.080 | 0.017 | 1 | 06/12/18 08:30 | 06/12/18 11:41 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 13.4 | | mg/kg | 2.48 | 0.240 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 482 | | mg/kg | 248 | 14.3 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.99 | 0.256 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Silver, Total | 0.467 | J | mg/kg | 0.993 | 0.281 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 148 | J | mg/kg | 199 | 3.13 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.99 | 0.313 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 22.1 | | mg/kg | 0.993 | 0.202 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 1020 | | mg/kg | 4.96 | 0.291 | 2 | 06/11/18 19:41 | 06/12/18 00:55 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06
Client ID: SB-6A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 14:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 4480 | | mg/kg | 8.44 | 2.28 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.22 | 0.321 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 2.31 | | mg/kg | 0.844 | 0.175 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 23.6 | | mg/kg | 0.844 | 0.147 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.270 | J | mg/kg | 0.422 | 0.028 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.396 | J | mg/kg | 0.844 | 0.083 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 1640 | | mg/kg | 8.44 | 2.95 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 12.2 | | mg/kg | 0.844 | 0.081 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 4.45 | | mg/kg | 1.69 | 0.140 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 12.9 | | mg/kg | 0.844 | 0.218 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 14400 | | mg/kg | 4.22 | 0.762 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 15.1 | | mg/kg | 4.22 | 0.226 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1780 | | mg/kg | 8.44 | 1.30 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 171 | | mg/kg | 0.844 | 0.134 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 0.141 | | mg/kg | 0.070 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:43 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 9.93 | | mg/kg | 2.11 | 0.204 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 626 | | mg/kg | 211 | 12.1 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.69 | 0.218 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.844 | 0.239 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 132 | J | mg/kg | 169 | 2.66 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.69 | 0.266 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 15.9 | | mg/kg | 0.844 | 0.171 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 38.7 | | mg/kg | 4.22 | 0.247 | 2 | 06/11/18 19:41 | 06/12/18 01:00 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07 Date Collected: 06/04/18 12:10

Client ID: SB-7A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 7590 | | mg/kg | 8.89 | 2.40 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.44 | 0.338 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 1.77 | | mg/kg | 0.889 | 0.185 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 38.2 | | mg/kg | 0.889 | 0.155 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.346 | J | mg/kg | 0.444 | 0.029 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.418 | J | mg/kg | 0.889 | 0.087 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 654 | | mg/kg | 8.89 | 3.11 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 18.0 | | mg/kg | 0.889 | 0.085 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 7.49 | | mg/kg | 1.78 | 0.148 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 14.3 | | mg/kg | 0.889 | 0.229 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 17500 | | mg/kg | 4.44 | 0.802 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 6.06 | | mg/kg | 4.44 | 0.238 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 2090 | | mg/kg | 8.89 | 1.37 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 401 | | mg/kg | 0.889 | 0.141 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 0.023 | J | mg/kg | 0.073 | 0.016 | 1 | 06/12/18 08:30 | 06/12/18 11:45 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 13.4 | | mg/kg | 2.22 | 0.215 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 1310 | | mg/kg | 222 | 12.8 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.78 | 0.229 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.889 | 0.251 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 81.5 | J | mg/kg | 178 | 2.80 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.78 | 0.280 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 26.0 | | mg/kg | 0.889 | 0.180 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 28.3 | | mg/kg | 4.44 | 0.260 | 2 | 06/11/18 19:41 | 06/12/18 01:04 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08
Client ID: SB-8A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 12:25
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 6220 | | mg/kg | 8.56 | 2.31 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.28 | 0.325 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 1.76 | | mg/kg | 0.856 | 0.178 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 55.0 | | mg/kg | 0.856 | 0.149 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.394 | J | mg/kg | 0.428 | 0.028 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.428 | J | mg/kg | 0.856 | 0.084 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 357 | | mg/kg | 8.56 | 3.00 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 13.0 | | mg/kg | 0.856 | 0.082 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 6.43 | | mg/kg | 1.71 | 0.142 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 15.7 | | mg/kg | 0.856 | 0.221 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 18200 | | mg/kg | 4.28 | 0.773 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 5.42 | | mg/kg | 4.28 | 0.229 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1650 | | mg/kg | 8.56 | 1.32 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 198 | | mg/kg | 0.856 | 0.136 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | ND | | mg/kg | 0.068 | 0.014 | 1 | 06/12/18 08:30 | 06/12/18 11:47 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 10.3 | | mg/kg | 2.14 | 0.207 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 1170 | | mg/kg | 214 | 12.3 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.71 | 0.221 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.856 | 0.242 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 61.2 | J | mg/kg | 171 | 2.70 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.71 | 0.270 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 23.8 | | mg/kg | 0.856 | 0.174 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 30.4 | | mg/kg | 4.28 | 0.251 | 2 | 06/11/18 19:41 | 06/12/18 01:08 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09
Client ID: SB-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 3020 | | mg/kg | 9.04 | 2.44 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.52 | 0.343 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 2.35 | | mg/kg | 0.904 | 0.188 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 25.8 | | mg/kg | 0.904 | 0.157 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.443 | J | mg/kg | 0.452 | 0.030 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.271 | J | mg/kg | 0.904 | 0.089 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 1360 | | mg/kg | 9.04 | 3.16 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 9.93 | | mg/kg | 0.904 | 0.087 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 4.94 | | mg/kg | 1.81 | 0.150 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 18.1 | | mg/kg | 0.904 | 0.233 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 10200 | | mg/kg | 4.52 | 0.816 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 26.1 | | mg/kg | 4.52 | 0.242 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1390 | | mg/kg | 9.04 | 1.39 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 276 | | mg/kg | 0.904 | 0.144 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | ND | | mg/kg | 0.072 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:49 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 8.04 | | mg/kg | 2.26 | 0.219 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 592 | | mg/kg | 226 | 13.0 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.81 | 0.233 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.904 | 0.256 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 101 | J | mg/kg | 181 | 2.85 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.81 | 0.285 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 14.8 | | mg/kg | 0.904 | 0.183 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 123 | | mg/kg | 4.52 | 0.265 | 2 | 06/11/18 19:41 | 06/12/18 01:13 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10 Date Collected: 06/05/18 15:15

Client ID: SB-2B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 3130 | | mg/kg | 8.60 | 2.32 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.30 | 0.327 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 2.56 | | mg/kg | 0.860 | 0.179 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 21.0 | | mg/kg | 0.860 | 0.150 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.215 | J | mg/kg | 0.430 | 0.028 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.258 | J | mg/kg | 0.860 | 0.084 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 2650 | | mg/kg | 8.60 | 3.01 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 30.5 | | mg/kg | 0.860 | 0.083 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 3.34 | | mg/kg | 1.72 | 0.143 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 12.6 | | mg/kg | 0.860 | 0.222 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 11200 | | mg/kg | 4.30 | 0.777 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 3.82 | J | mg/kg | 4.30 | 0.230 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1590 | | mg/kg | 8.60 | 1.32 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 180 | | mg/kg | 0.860 | 0.137 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | ND | | mg/kg | 0.069 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:50 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 8.01 | | mg/kg | 2.15 | 0.208 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 687 | | mg/kg | 215 | 12.4 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.72 | 0.222 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.860 | 0.243 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 115 | J | mg/kg | 172 | 2.71 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.72 | 0.271 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 13.9 | | mg/kg | 0.860 | 0.175 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 16.6 | | mg/kg | 4.30 | 0.252 | 2 | 06/11/18 19:41 | 06/12/18 01:17 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11 Date Collected: 06/05/18 11:10

Client ID: SB-3B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 5370 | | mg/kg | 8.47 | 2.29 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.24 | 0.322 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 2.11 | | mg/kg | 0.847 | 0.176 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 42.2 | | mg/kg | 0.847 | 0.147 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.356 | J | mg/kg | 0.424 | 0.028 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.441 | J | mg/kg | 0.847 | 0.083 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 963 | | mg/kg | 8.47 | 2.96 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 14.0 | | mg/kg | 0.847 | 0.081 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 7.68 | | mg/kg | 1.69 | 0.141 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 16.3 | | mg/kg | 0.847 | 0.219 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 17600 | | mg/kg | 4.24 | 0.765 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 6.01 | | mg/kg | 4.24 | 0.227 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1810 | | mg/kg | 8.47 | 1.30 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 653 | | mg/kg | 0.847 | 0.135 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | ND | | mg/kg | 0.069 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:56 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 12.1 | | mg/kg | 2.12 | 0.205 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 1280 | | mg/kg | 212 | 12.2 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.69 | 0.219 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.847 | 0.240 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 88.5 | J | mg/kg | 169 | 2.67 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.69 | 0.267 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 24.8 | | mg/kg | 0.847 | 0.172 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 33.0 | | mg/kg | 4.24 | 0.248 | 2 | 06/11/18 19:41 | 06/12/18 01:22 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12
Client ID: SB-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 6720 | | mg/kg | 8.64 | 2.33 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.32 | 0.328 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 1.82 | | mg/kg | 0.864 | 0.180 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 45.9 | | mg/kg | 0.864 | 0.150 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.311 | J | mg/kg | 0.432 | 0.029 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.441 | J | mg/kg | 0.864 | 0.085 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 967 | | mg/kg | 8.64 | 3.02 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 20.5 | | mg/kg | 0.864 | 0.083 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 7.11 | | mg/kg | 1.73 | 0.143 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 18.9 | | mg/kg | 0.864 | 0.223 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 18400 | | mg/kg | 4.32 | 0.780 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 5.47 | | mg/kg | 4.32 | 0.232 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 2690 | | mg/kg | 8.64 | 1.33 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 297 | | mg/kg | 0.864 | 0.137 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 0.022 | J | mg/kg | 0.070 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:58 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 13.8 | | mg/kg | 2.16 | 0.209 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 1490 | | mg/kg | 216 | 12.4 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.73 | 0.223 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.864 | 0.245 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 96.6 | J | mg/kg | 173 | 2.72 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.73 | 0.272 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 25.1 | | mg/kg | 0.864 | 0.175 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 26.0 | | mg/kg | 4.32 | 0.253 | 2 | 06/11/18 19:41 | 06/12/18 01:45 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13 Date Collected: 06/05/18 11:50

Client ID: SB-5B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 6280 | | mg/kg | 8.78 | 2.37 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.39 | 0.334 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 1.84 | | mg/kg | 0.878 | 0.182 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 45.1 | | mg/kg | 0.878 | 0.153 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.386 | J | mg/kg | 0.439 | 0.029 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.492 | J | mg/kg | 0.878 | 0.086 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 2000 | | mg/kg | 8.78 | 3.07 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 17.8 | | mg/kg | 0.878 | 0.084 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 7.65 | | mg/kg | 1.76 | 0.146 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 17.2 | | mg/kg | 0.878 | 0.226 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 20400 | | mg/kg | 4.39 | 0.793 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 8.07 | | mg/kg | 4.39 | 0.235 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 2070 | | mg/kg | 8.78 | 1.35 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 330 | | mg/kg | 0.878 | 0.140 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 0.020 | J | mg/kg | 0.069 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:59 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 11.6 | | mg/kg | 2.19 | 0.212 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 1310 | | mg/kg | 219 | 12.6 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.76 | 0.226 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.878 | 0.248 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 79.8 | J | mg/kg | 176 | 2.76 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.76 | 0.276 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 28.8 | | mg/kg | 0.878 | 0.178 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 36.1 | | mg/kg | 4.39 | 0.257 | 2 | 06/11/18 19:41 | 06/12/18 01:49 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14 Date Collected: 06/05/18 14:10

Client ID: SB-6B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 3880 | | mg/kg | 8.42 | 2.27 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.21 | 0.320 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 1.76 | | mg/kg | 0.842 | 0.175 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 26.3 | | mg/kg | 0.842 | 0.146 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.236 | J | mg/kg | 0.421 | 0.028 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.312 | J | mg/kg | 0.842 | 0.083 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 628 | | mg/kg | 8.42 | 2.95 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 11.7 | | mg/kg | 0.842 | 0.081 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 4.49 | | mg/kg | 1.68 | 0.140 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 12.6 | | mg/kg | 0.842 | 0.217 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 13200 | | mg/kg | 4.21 | 0.760 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 3.22 | J | mg/kg | 4.21 | 0.226 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1420 | | mg/kg | 8.42 | 1.30 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 207 | | mg/kg | 0.842 | 0.134 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | ND | | mg/kg | 0.069 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 12:01 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 8.87 | | mg/kg | 2.10 | 0.204 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 534 | | mg/kg | 210 | 12.1 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.68 | 0.217 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.842 | 0.238 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 97.8 | J | mg/kg | 168 | 2.65 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.68 | 0.265 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 17.4 | | mg/kg | 0.842 | 0.171 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 16.1 | | mg/kg | 4.21 | 0.247 | 2 | 06/11/18 19:41 | 06/12/18 01:54 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15
Client ID: SB-7B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 12:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 4840 | | mg/kg | 9.15 | 2.47 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.57 | 0.348 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 1.67 | | mg/kg | 0.915 | 0.190 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 47.4 | | mg/kg | 0.915 | 0.159 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.284 | J | mg/kg | 0.457 | 0.030 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.320 | J | mg/kg | 0.915 | 0.090 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 1040 | | mg/kg | 9.15 | 3.20 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 13.7 | | mg/kg | 0.915 | 0.088 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 6.38 | | mg/kg | 1.83 | 0.152 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 21.9 | | mg/kg | 0.915 | 0.236 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 12500 | | mg/kg | 4.57 | 0.826 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 7.67 | | mg/kg | 4.57 | 0.245 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 2250 | | mg/kg | 9.15 | 1.41 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 224 | | mg/kg | 0.915 | 0.145 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 0.018 | J | mg/kg | 0.074 | 0.016 | 1 | 06/12/18 08:30 | 06/12/18 12:03 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 12.8 | | mg/kg | 2.29 | 0.221 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 1580 | | mg/kg | 229 | 13.2 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.83 | 0.236 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.915 | 0.259 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 124 | J | mg/kg | 183 | 2.88 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.83 | 0.288 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 23.0 | | mg/kg | 0.915 | 0.186 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 26.0 | | mg/kg | 4.57 | 0.268 | 2 | 06/11/18 19:41 | 06/12/18 01:58 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16
Client ID: SB-8B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 12:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 4270 | | mg/kg | 8.94 | 2.41 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.47 | 0.340 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 1.53 | | mg/kg | 0.894 | 0.186 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 34.3 | | mg/kg | 0.894 | 0.156 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.384 | J | mg/kg | 0.447 | 0.030 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.474 | J | mg/kg | 0.894 | 0.088 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 1220 | | mg/kg | 8.94 | 3.13 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 12.2 | | mg/kg | 0.894 | 0.086 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 6.30 | | mg/kg | 1.79 | 0.148 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 16.4 | | mg/kg | 0.894 | 0.231 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 13400 | | mg/kg | 4.47 | 0.808 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 11.7 | | mg/kg | 4.47 | 0.240 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 2480 | | mg/kg | 8.94 | 1.38 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 909 | | mg/kg | 0.894 | 0.142 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | ND | | mg/kg | 0.071 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 12:05 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 10.6 | | mg/kg | 2.24 | 0.216 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 917 | | mg/kg | 224 | 12.9 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.79 | 0.231 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.894 | 0.253 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 126 | J | mg/kg | 179 | 2.82 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | 0.474 | J | mg/kg | 1.79 | 0.282 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 25.3 | | mg/kg | 0.894 | 0.182 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 24.8 | | mg/kg | 4.47 | 0.262 | 2 | 06/11/18 19:41 | 06/12/18 02:03 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17 Date Collected: 06/04/18 07:33

Client ID: DUP-1 Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 5270 | | mg/kg | 8.48 | 2.29 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.24 | 0.322 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 2.70 | | mg/kg | 0.848 | 0.176 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 39.2 | | mg/kg | 0.848 | 0.148 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.297 | J | mg/kg | 0.424 | 0.028 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.416 | J | mg/kg | 0.848 | 0.083 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 1260 | | mg/kg | 8.48 | 2.97 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 11.2 | | mg/kg | 0.848 | 0.082 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 4.84 | | mg/kg | 1.70 | 0.141 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 29.3 | | mg/kg | 0.848 | 0.219 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 15200 | | mg/kg | 4.24 | 0.766 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 128 | | mg/kg | 4.24 | 0.227 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1760 | | mg/kg | 8.48 | 1.31 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 263 | | mg/kg | 0.848 | 0.135 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 0.717 | | mg/kg | 0.068 | 0.014 | 1 | 06/12/18 08:30 | 06/12/18 12:07 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 10.4 | | mg/kg | 2.12 | 0.205 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 615 | | mg/kg | 212 | 12.2 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.70 | 0.219 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.848 | 0.240 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 49.1 | J | mg/kg | 170 | 2.67 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.70 | 0.267 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 18.6 | | mg/kg | 0.848 | 0.172 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 43.5 | | mg/kg | 4.24 | 0.249 | 2 | 06/11/18 19:41 | 06/12/18 02:07 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 6840 | | mg/kg | 8.51 | 2.30 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | 0.689 | J | mg/kg | 4.26 | 0.323 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 4.71 | | mg/kg | 0.851 | 0.177 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 63.9 | | mg/kg | 0.851 | 0.148 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.357 | J | mg/kg | 0.426 | 0.028 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.545 | J | mg/kg | 0.851 | 0.083 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 2000 | | mg/kg | 8.51 | 2.98 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 15.8 | | mg/kg | 0.851 | 0.082 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 6.33 | | mg/kg | 1.70 | 0.141 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 38.2 | | mg/kg | 0.851 | 0.220 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 17800 | | mg/kg | 4.26 | 0.768 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 154 | | mg/kg | 4.26 | 0.228 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1990 | | mg/kg | 8.51 | 1.31 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 301 | | mg/kg | 0.851 | 0.135 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 1.35 | | mg/kg | 0.070 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 12:08 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 11.3 | | mg/kg | 2.13 | 0.206 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 937 | | mg/kg | 213 | 12.2 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.70 | 0.220 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.851 | 0.241 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 128 | J | mg/kg | 170 | 2.68 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.70 | 0.268 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 23.3 | | mg/kg | 0.851 | 0.173 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 154 | | mg/kg | 4.26 | 0.249 | 2 | 06/11/18 19:41 | 06/12/18 02:12 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19 Date Collected: 06/05/18 16:00

Client ID: MW-A Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 2.94 | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Antimony, Total | 0.00220 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Arsenic, Total | 0.00250 | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Barium, Total | 0.1649 | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Beryllium, Total | 0.00036 | J | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Cadmium, Total | 0.00031 | | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Calcium, Total | 45.6 | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Chromium, Total | 0.00762 | | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Cobalt, Total | 0.00775 | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Copper, Total | 0.01478 | | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Iron, Total | 8.84 | | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Lead, Total | 0.01228 | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Magnesium, Total | 10.6 | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Manganese, Total | 4.741 | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Mercury, Total | 0.00010 | J | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 16:48 | EPA 7470A | 1,7470A | EA |
| Nickel, Total | 0.01211 | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Potassium, Total | 7.04 | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Selenium, Total | 0.00184 | J | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Silver, Total | 0.00025 | J | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Sodium, Total | 66.1 | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Thallium, Total | 0.00021 | J | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Vanadium, Total | 0.01000 | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| Zinc, Total | 0.01968 | | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 15:40 | 06/12/18 11:24 | EPA 3005A | 1,6020A | AM |
| **Dissolved Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Antimony, Dissolved | ND | | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Barium, Dissolved | 0.1258 | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cadmium, Dissolved | 0.00014 | J | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Calcium, Dissolved | 48.2 | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Cobalt, Dissolved | 0.00355 | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Copper, Dissolved | 0.00075 | J | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Iron, Dissolved | ND | | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Magnesium, Dissolved | 9.88 | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Manganese, Dissolved | 4.710 | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 17:22 | EPA 7470A | 1,7470A | EA |
| Nickel, Dissolved | 0.00426 | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Potassium, Dissolved | 6.75 | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Sodium, Dissolved | 68.7 | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |
| Zinc, Dissolved | 0.00378 | J | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 13:05 | 06/12/18 10:24 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20 Date Collected: 06/05/18 13:30

Client ID: MW-B Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 0.132 | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Antimony, Total | 0.00332 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Arsenic, Total | 0.00029 | J | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Barium, Total | 0.1233 | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Cadmium, Total | 0.00038 | | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Calcium, Total | 88.9 | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Chromium, Total | 0.00077 | J | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Cobalt, Total | 0.00654 | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Copper, Total | 0.00118 | | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Iron, Total | 1.26 | | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Lead, Total | 0.00070 | J | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Magnesium, Total | 15.2 | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Manganese, Total | 6.621 | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 16:43 | EPA 7470A | 1,7470A | EA |
| Nickel, Total | 0.01847 | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Potassium, Total | 8.18 | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Silver, Total | 0.00018 | J | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Sodium, Total | 28.7 | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| Zinc, Total | 0.03706 | | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 15:40 | 06/12/18 11:09 | EPA 3005A | 1,6020A | AM |
| **Dissolved Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Antimony, Dissolved | 0.00375 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Barium, Dissolved | 0.1251 | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cadmium, Dissolved | 0.00042 | | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Calcium, Dissolved | 95.6 | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Cobalt, Dissolved | 0.00718 | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Copper, Dissolved | 0.00047 | J | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Iron, Dissolved | 0.252 | | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Magnesium, Dissolved | 16.5 | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Manganese, Dissolved | 7.088 | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 17:09 | EPA 7470A | 1,7470A | EA |
| Nickel, Dissolved | 0.01912 | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Potassium, Dissolved | 8.87 | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Silver, Dissolved | 0.00030 | J | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Sodium, Dissolved | 33.3 | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |
| Zinc, Dissolved | 0.04118 | | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 13:05 | 06/12/18 09:32 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 0.321 | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Antimony, Total | 0.00077 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Arsenic, Total | 0.00038 | J | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Barium, Total | 0.1265 | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Cadmium, Total | 0.00016 | J | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Calcium, Total | 92.7 | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Chromium, Total | 0.00114 | | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Cobalt, Total | 0.00360 | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Copper, Total | 0.00294 | | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Iron, Total | 0.712 | | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Lead, Total | 0.00838 | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Magnesium, Total | 22.9 | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Manganese, Total | 1.302 | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 16:50 | EPA 7470A | 1,7470A | EA |
| Nickel, Total | 0.00795 | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Potassium, Total | 8.61 | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Selenium, Total | 0.00400 | J | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Sodium, Total | 39.1 | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| Zinc, Total | 0.00658 | J | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 15:40 | 06/12/18 11:28 | EPA 3005A | 1,6020A | AM |
| **Dissolved Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Antimony, Dissolved | ND | | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Barium, Dissolved | 0.1198 | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cadmium, Dissolved | 0.00015 | J | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Calcium, Dissolved | 91.9 | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Chromium, Dissolved | 0.00022 | J | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Cobalt, Dissolved | 0.00344 | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Copper, Dissolved | 0.00072 | J | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Iron, Dissolved | 0.0199 | J | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Magnesium, Dissolved | 22.6 | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Manganese, Dissolved | 0.9082 | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 17:28 | EPA 7470A | 1,7470A | EA |
| Nickel, Dissolved | 0.00724 | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Potassium, Dissolved | 8.56 | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Selenium, Dissolved | 0.00426 | J | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Sodium, Dissolved | 37.2 | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 13:05 | 06/12/18 10:28 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22 Date Collected: 06/05/18 11:50

Client ID: GW-DUP Date Received: 06/05/18

Sample Location: 480 FLUSHING AVE., BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 0.888 | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Antimony, Total | 0.00054 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Arsenic, Total | 0.00075 | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Barium, Total | 0.1345 | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Cadmium, Total | 0.00013 | J | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Calcium, Total | 94.6 | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Chromium, Total | 0.00259 | | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Cobalt, Total | 0.00347 | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Copper, Total | 0.00548 | | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Iron, Total | 1.97 | | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Lead, Total | 0.01009 | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Magnesium, Total | 23.6 | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Manganese, Total | 0.8666 | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 16:51 | EPA 7470A | 1,7470A | EA |
| Nickel, Total | 0.00893 | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Potassium, Total | 8.73 | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Selenium, Total | 0.00435 | J | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Sodium, Total | 39.3 | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Vanadium, Total | 0.00272 | J | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| Zinc, Total | 0.00930 | J | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 15:40 | 06/12/18 11:32 | EPA 3005A | 1,6020A | AM |
| **Dissolved Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Antimony, Dissolved | ND | | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Barium, Dissolved | 0.1226 | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cadmium, Dissolved | 0.00012 | J | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Calcium, Dissolved | 96.4 | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Chromium, Dissolved | 0.00019 | J | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Cobalt, Dissolved | 0.00262 | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Copper, Dissolved | 0.00063 | J | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Iron, Dissolved | 0.0223 | J | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Magnesium, Dissolved | 23.8 | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Manganese, Dissolved | 0.7506 | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 17:30 | EPA 7470A | 1,7470A | EA |
| Nickel, Dissolved | 0.00629 | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Potassium, Dissolved | 8.82 | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Selenium, Dissolved | 0.00452 | J | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Sodium, Dissolved | 39.7 | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 13:05 | 06/12/18 10:32 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-29
Client ID: SS-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 6260 | | mg/kg | 8.34 | 2.25 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 4.17 | 0.317 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 4.10 | | mg/kg | 0.834 | 0.174 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 193 | | mg/kg | 0.834 | 0.145 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.367 | J | mg/kg | 0.417 | 0.028 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.467 | J | mg/kg | 0.834 | 0.082 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 2730 | | mg/kg | 8.34 | 2.92 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 13.2 | | mg/kg | 0.834 | 0.080 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 5.83 | | mg/kg | 1.67 | 0.138 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 93.1 | | mg/kg | 0.834 | 0.215 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 16500 | | mg/kg | 4.17 | 0.753 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 564 | | mg/kg | 4.17 | 0.224 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1800 | | mg/kg | 8.34 | 1.28 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 327 | | mg/kg | 0.834 | 0.133 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 2.29 | | mg/kg | 0.071 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 12:10 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 11.2 | | mg/kg | 2.08 | 0.202 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 744 | | mg/kg | 208 | 12.0 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.67 | 0.215 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.834 | 0.236 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 55.9 | J | mg/kg | 167 | 2.63 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.67 | 0.263 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 22.6 | | mg/kg | 0.834 | 0.169 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 94.5 | | mg/kg | 4.17 | 0.244 | 2 | 06/11/18 19:41 | 06/12/18 02:16 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-30
Client ID: SS-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:08
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 8980 | | mg/kg | 9.51 | 2.57 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Antimony, Total | ND | | mg/kg | 4.76 | 0.361 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Arsenic, Total | 3.29 | | mg/kg | 0.951 | 0.198 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Barium, Total | 51.4 | | mg/kg | 0.951 | 0.166 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Beryllium, Total | 0.276 | J | mg/kg | 0.476 | 0.031 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Cadmium, Total | ND | | mg/kg | 0.951 | 0.093 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Calcium, Total | 1970 | | mg/kg | 9.51 | 3.33 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Chromium, Total | 27.3 | | mg/kg | 0.951 | 0.091 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Cobalt, Total | 9.40 | | mg/kg | 1.90 | 0.158 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Copper, Total | 28.4 | | mg/kg | 0.951 | 0.245 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Iron, Total | 18600 | | mg/kg | 4.76 | 0.859 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Lead, Total | 58.5 | | mg/kg | 4.76 | 0.255 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Magnesium, Total | 2480 | | mg/kg | 9.51 | 1.46 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Manganese, Total | 341 | | mg/kg | 0.951 | 0.151 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Mercury, Total | 0.366 | | mg/kg | 0.077 | 0.016 | 1 | 06/12/18 08:30 | 06/12/18 10:59 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 14.1 | | mg/kg | 2.38 | 0.230 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Potassium, Total | 1390 | | mg/kg | 238 | 13.7 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Selenium, Total | 0.409 | J | mg/kg | 1.90 | 0.245 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Silver, Total | ND | | mg/kg | 0.951 | 0.269 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Sodium, Total | 63.6 | J | mg/kg | 190 | 3.00 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Thallium, Total | ND | | mg/kg | 1.90 | 0.300 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Vanadium, Total | 28.8 | | mg/kg | 0.951 | 0.193 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |
| Zinc, Total | 51.8 | | mg/kg | 4.76 | 0.279 | 2 | 06/11/18 20:00 | 06/12/18 09:07 | EPA 3050B | 1,6010C | LC |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31
Client ID: SS-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 4680 | | mg/kg | 8.75 | 2.36 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Antimony, Total | 0.367 | J | mg/kg | 4.37 | 0.332 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Arsenic, Total | 4.46 | | mg/kg | 0.875 | 0.182 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Barium, Total | 234 | | mg/kg | 0.875 | 0.152 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Beryllium, Total | 0.254 | J | mg/kg | 0.437 | 0.029 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Cadmium, Total | ND | | mg/kg | 0.875 | 0.086 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Calcium, Total | 3290 | | mg/kg | 8.75 | 3.06 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Chromium, Total | 11.7 | | mg/kg | 0.875 | 0.084 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Cobalt, Total | 4.62 | | mg/kg | 1.75 | 0.145 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Copper, Total | 28.6 | | mg/kg | 0.875 | 0.226 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Iron, Total | 16000 | | mg/kg | 4.37 | 0.790 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Lead, Total | 260 | | mg/kg | 4.37 | 0.234 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Magnesium, Total | 1450 | | mg/kg | 8.75 | 1.35 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Manganese, Total | 315 | | mg/kg | 0.875 | 0.139 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Mercury, Total | 1.14 | | mg/kg | 0.069 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:00 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 10.9 | | mg/kg | 2.19 | 0.212 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Potassium, Total | 666 | | mg/kg | 219 | 12.6 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Selenium, Total | 0.560 | J | mg/kg | 1.75 | 0.226 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Silver, Total | ND | | mg/kg | 0.875 | 0.248 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Sodium, Total | 77.4 | J | mg/kg | 175 | 2.76 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Thallium, Total | ND | | mg/kg | 1.75 | 0.276 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Vanadium, Total | 20.5 | | mg/kg | 0.875 | 0.178 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |
| Zinc, Total | 158 | | mg/kg | 4.37 | 0.256 | 2 | 06/11/18 20:00 | 06/12/18 09:11 | EPA 3050B | 1,6010C | LC |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-32
Client ID: SS-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 5710 | | mg/kg | 9.07 | 2.45 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Antimony, Total | 1.40 | J | mg/kg | 4.53 | 0.344 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Arsenic, Total | 5.83 | | mg/kg | 0.907 | 0.188 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Barium, Total | 249 | | mg/kg | 0.907 | 0.158 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Beryllium, Total | 0.208 | J | mg/kg | 0.453 | 0.030 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Cadmium, Total | ND | | mg/kg | 0.907 | 0.089 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Calcium, Total | 30300 | | mg/kg | 9.07 | 3.17 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Chromium, Total | 23.0 | | mg/kg | 0.907 | 0.087 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Cobalt, Total | 5.05 | | mg/kg | 1.81 | 0.150 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Copper, Total | 69.3 | | mg/kg | 0.907 | 0.234 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Iron, Total | 14200 | | mg/kg | 4.53 | 0.819 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Lead, Total | 602 | | mg/kg | 4.53 | 0.243 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Magnesium, Total | 5560 | | mg/kg | 9.07 | 1.40 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Manganese, Total | 242 | | mg/kg | 0.907 | 0.144 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Mercury, Total | 2.15 | | mg/kg | 0.073 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:02 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 9.96 | | mg/kg | 2.27 | 0.219 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Potassium, Total | 1080 | | mg/kg | 227 | 13.0 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Selenium, Total | 0.771 | J | mg/kg | 1.81 | 0.234 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Silver, Total | 0.326 | J | mg/kg | 0.907 | 0.256 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Sodium, Total | 250 | | mg/kg | 181 | 2.86 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Thallium, Total | ND | | mg/kg | 1.81 | 0.286 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Vanadium, Total | 20.0 | | mg/kg | 0.907 | 0.184 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |
| Zinc, Total | 337 | | mg/kg | 4.53 | 0.266 | 2 | 06/11/18 20:00 | 06/12/18 09:16 | EPA 3050B | 1,6010C | LC |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33
Client ID: SS-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 08:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 10200 | | mg/kg | 8.65 | 2.34 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Antimony, Total | 0.606 | J | mg/kg | 4.33 | 0.329 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Arsenic, Total | 8.52 | | mg/kg | 0.865 | 0.180 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Barium, Total | 94.2 | | mg/kg | 0.865 | 0.150 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Beryllium, Total | 0.346 | J | mg/kg | 0.433 | 0.029 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Cadmium, Total | ND | | mg/kg | 0.865 | 0.085 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Calcium, Total | 1720 | | mg/kg | 8.65 | 3.03 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Chromium, Total | 28.4 | | mg/kg | 0.865 | 0.083 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Cobalt, Total | 7.80 | | mg/kg | 1.73 | 0.144 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Copper, Total | 30.5 | | mg/kg | 0.865 | 0.223 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Iron, Total | 17300 | | mg/kg | 4.33 | 0.781 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Lead, Total | 77.0 | | mg/kg | 4.33 | 0.232 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Magnesium, Total | 2260 | | mg/kg | 8.65 | 1.33 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Manganese, Total | 432 | | mg/kg | 0.865 | 0.138 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Mercury, Total | 0.604 | | mg/kg | 0.069 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:04 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 13.3 | | mg/kg | 2.16 | 0.209 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Potassium, Total | 1250 | | mg/kg | 216 | 12.5 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Selenium, Total | 0.407 | J | mg/kg | 1.73 | 0.223 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Silver, Total | ND | | mg/kg | 0.865 | 0.245 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Sodium, Total | 64.4 | J | mg/kg | 173 | 2.73 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Thallium, Total | ND | | mg/kg | 1.73 | 0.273 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Vanadium, Total | 32.6 | | mg/kg | 0.865 | 0.176 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |
| Zinc, Total | 68.8 | | mg/kg | 4.33 | 0.254 | 2 | 06/11/18 20:00 | 06/12/18 11:14 | EPA 3050B | 1,6010C | LC |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-34
Client ID: SS-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 10700 | | mg/kg | 9.02 | 2.43 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Antimony, Total | ND | | mg/kg | 4.51 | 0.342 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Arsenic, Total | 3.76 | | mg/kg | 0.902 | 0.188 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Barium, Total | 107 | | mg/kg | 0.902 | 0.157 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Beryllium, Total | 0.388 | J | mg/kg | 0.451 | 0.030 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Cadmium, Total | ND | | mg/kg | 0.902 | 0.088 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Calcium, Total | 1530 | | mg/kg | 9.02 | 3.16 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Chromium, Total | 24.1 | | mg/kg | 0.902 | 0.087 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Cobalt, Total | 8.94 | | mg/kg | 1.80 | 0.150 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Copper, Total | 20.6 | | mg/kg | 0.902 | 0.233 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Iron, Total | 16600 | | mg/kg | 4.51 | 0.814 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Lead, Total | 43.2 | | mg/kg | 4.51 | 0.242 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Magnesium, Total | 2320 | | mg/kg | 9.02 | 1.39 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Manganese, Total | 438 | | mg/kg | 0.902 | 0.143 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Mercury, Total | 1.10 | | mg/kg | 0.072 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:06 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 12.7 | | mg/kg | 2.25 | 0.218 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Potassium, Total | 1340 | | mg/kg | 225 | 13.0 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Selenium, Total | ND | | mg/kg | 1.80 | 0.233 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Silver, Total | ND | | mg/kg | 0.902 | 0.255 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Sodium, Total | 66.6 | J | mg/kg | 180 | 2.84 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Thallium, Total | ND | | mg/kg | 1.80 | 0.284 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Vanadium, Total | 34.4 | | mg/kg | 0.902 | 0.183 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |
| Zinc, Total | 46.5 | | mg/kg | 4.51 | 0.264 | 2 | 06/11/18 20:00 | 06/12/18 11:18 | EPA 3050B | 1,6010C | LC |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-35
Client ID: SS-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 09:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 5720 | | mg/kg | 8.60 | 2.32 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Antimony, Total | 0.679 | J | mg/kg | 4.30 | 0.327 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Arsenic, Total | 4.53 | | mg/kg | 0.860 | 0.179 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Barium, Total | 72.1 | | mg/kg | 0.860 | 0.150 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Beryllium, Total | 0.318 | J | mg/kg | 0.430 | 0.028 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Cadmium, Total | 0.559 | J | mg/kg | 0.860 | 0.084 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Calcium, Total | 1800 | | mg/kg | 8.60 | 3.01 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Chromium, Total | 12.5 | | mg/kg | 0.860 | 0.083 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Cobalt, Total | 10.4 | | mg/kg | 1.72 | 0.143 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Copper, Total | 21.6 | | mg/kg | 0.860 | 0.222 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Iron, Total | 15300 | | mg/kg | 4.30 | 0.776 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Lead, Total | 120 | | mg/kg | 4.30 | 0.230 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Magnesium, Total | 1720 | | mg/kg | 8.60 | 1.32 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Manganese, Total | 548 | | mg/kg | 0.860 | 0.137 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Mercury, Total | 0.609 | | mg/kg | 0.069 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 11:19 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 11.6 | | mg/kg | 2.15 | 0.208 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Potassium, Total | 752 | | mg/kg | 215 | 12.4 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Selenium, Total | ND | | mg/kg | 1.72 | 0.222 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.860 | 0.243 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Sodium, Total | 161 | J | mg/kg | 172 | 2.71 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 1.72 | 0.271 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Vanadium, Total | 33.9 | | mg/kg | 0.860 | 0.174 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |
| Zinc, Total | 155 | | mg/kg | 4.30 | 0.252 | 2 | 06/11/18 19:41 | 06/11/18 23:57 | EPA 3050B | 1,6010C | AB |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-36
Client ID: SS-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/04/18 10:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 5130 | | mg/kg | 9.02 | 2.43 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Antimony, Total | 0.875 | J | mg/kg | 4.51 | 0.343 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Arsenic, Total | 5.17 | | mg/kg | 0.902 | 0.188 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Barium, Total | 225 | | mg/kg | 0.902 | 0.157 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Beryllium, Total | 0.207 | J | mg/kg | 0.451 | 0.030 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Cadmium, Total | ND | | mg/kg | 0.902 | 0.088 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Calcium, Total | 15500 | | mg/kg | 9.02 | 3.16 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Chromium, Total | 15.2 | | mg/kg | 0.902 | 0.087 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Cobalt, Total | 4.71 | | mg/kg | 1.80 | 0.150 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Copper, Total | 43.0 | | mg/kg | 0.902 | 0.233 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Iron, Total | 12500 | | mg/kg | 4.51 | 0.814 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Lead, Total | 443 | | mg/kg | 4.51 | 0.242 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Magnesium, Total | 2120 | | mg/kg | 9.02 | 1.39 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Manganese, Total | 226 | | mg/kg | 0.902 | 0.143 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Mercury, Total | 2.23 | | mg/kg | 0.072 | 0.015 | 1 | 06/12/18 08:30 | 06/12/18 10:48 | EPA 7471B | 1,7471B | BV |
| Nickel, Total | 9.15 | | mg/kg | 2.25 | 0.218 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Potassium, Total | 1030 | | mg/kg | 225 | 13.0 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Selenium, Total | 0.586 | J | mg/kg | 1.80 | 0.233 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Silver, Total | ND | | mg/kg | 0.902 | 0.255 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Sodium, Total | 196 | | mg/kg | 180 | 2.84 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Thallium, Total | ND | | mg/kg | 1.80 | 0.284 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Vanadium, Total | 19.0 | | mg/kg | 0.902 | 0.183 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |
| Zinc, Total | 236 | | mg/kg | 4.51 | 0.264 | 2 | 06/11/18 20:00 | 06/12/18 08:51 | EPA 3050B | 1,6010C | LC |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 0.0170 | | mg/l | 0.0100 | 0.00327 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Antimony, Total | 0.00125 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Arsenic, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Barium, Total | 0.00063 | | mg/l | 0.00050 | 0.00017 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Calcium, Total | 1.64 | | mg/l | 0.100 | 0.0394 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Chromium, Total | 0.00034 | J | mg/l | 0.00100 | 0.00017 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Cobalt, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Iron, Total | 0.0354 | J | mg/l | 0.0500 | 0.0191 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Magnesium, Total | 0.0282 | J | mg/l | 0.0700 | 0.0242 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Manganese, Total | 0.00049 | J | mg/l | 0.00100 | 0.00044 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 16:53 | EPA 7470A | 1,7470A | EA |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Potassium, Total | 0.0337 | J | mg/l | 0.100 | 0.0309 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Silver, Total | 0.00049 | J | mg/l | 0.00100 | 0.00016 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Sodium, Total | 0.163 | J | mg/l | 0.200 | 0.0293 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| Zinc, Total | 0.00407 | J | mg/l | 0.01000 | 0.00341 | 1 | 06/09/18 11:10 | 06/11/18 17:51 | EPA 3005A | 1,6020A | AM |
| **Dissolved Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Dissolved | 0.00739 | J | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Antimony, Dissolved | ND | | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Barium, Dissolved | 0.00051 | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Calcium, Dissolved | 0.723 | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Cobalt, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Iron, Dissolved | ND | | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Magnesium, Dissolved | ND | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Manganese, Dissolved | 0.00073 | J | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 15:37 | 06/11/18 17:44 | EPA 7470A | 1,7470A | EA |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Potassium, Dissolved | 0.0518 | J | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Sodium, Dissolved | 0.492 | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 16:00 | 06/12/18 11:58 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 0.00609 | J | mg/l | 0.0100 | 0.00327 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Antimony, Total | 0.00063 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Arsenic, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Barium, Total | 0.00064 | | mg/l | 0.00050 | 0.00017 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Calcium, Total | 0.0627 | J | mg/l | 0.100 | 0.0394 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Chromium, Total | 0.00031 | J | mg/l | 0.00100 | 0.00017 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Cobalt, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Iron, Total | 0.0294 | J | mg/l | 0.0500 | 0.0191 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Magnesium, Total | ND | | mg/l | 0.0700 | 0.0242 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Manganese, Total | ND | | mg/l | 0.00100 | 0.00044 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 16:58 | EPA 7470A | 1,7470A | EA |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Potassium, Total | 0.0452 | J | mg/l | 0.100 | 0.0309 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Silver, Total | ND | | mg/l | 0.00100 | 0.00016 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Sodium, Total | 0.0583 | J | mg/l | 0.100 | 0.0293 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| Zinc, Total | 0.00843 | J | mg/l | 0.01000 | 0.00341 | 1 | 06/09/18 11:10 | 06/11/18 17:54 | EPA 3005A | 1,6020A | AM |
| **Dissolved Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Antimony, Dissolved | ND | | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Barium, Dissolved | 0.00051 | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Lab Number:** L1820814
**Project Number:** 17-310
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY
Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Calcium, Dissolved | ND | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Cobalt, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Copper, Dissolved | 0.00060 | J | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Iron, Dissolved | ND | | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Magnesium, Dissolved | ND | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Manganese, Dissolved | ND | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 15:37 | 06/11/18 17:49 | EPA 7470A | 1,7470A | EA |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Potassium, Dissolved | ND | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Sodium, Dissolved | ND | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 16:00 | 06/12/18 12:01 | EPA 3005A | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 37-38 Batch: WG1124238-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/l | 0.0100 | 0.00327 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Antimony, Total | 0.00102 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Arsenic, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Barium, Total | ND | | mg/l | 0.00050 | 0.00017 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Calcium, Total | ND | | mg/l | 0.100 | 0.0394 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Chromium, Total | 0.00032 | J | mg/l | 0.00100 | 0.00017 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Cobalt, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Iron, Total | ND | | mg/l | 0.0500 | 0.0191 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Magnesium, Total | ND | | mg/l | 0.0700 | 0.0242 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Manganese, Total | ND | | mg/l | 0.00100 | 0.00044 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Potassium, Total | ND | | mg/l | 0.100 | 0.0309 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Silver, Total | 0.00050 | J | mg/l | 0.00100 | 0.00016 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Sodium, Total | ND | | mg/l | 0.200 | 0.0293 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |
| Zinc, Total | ND | | mg/l | 0.01000 | 0.00341 | 1 | 06/09/18 11:10 | 06/11/18 17:03 | 1,6020A | AM |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 19-22 Batch: WG1124278-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Antimony, Total | 0.00089 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Arsenic, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Barium, Total | ND | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE. **Lab Number:** L1820814

**Project Number:** 17-310 **Report Date:** 06/18/18

# Method Blank Analysis
# Batch Quality Control

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Calcium, Total | ND | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Chromium, Total | ND | | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Cobalt, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Iron, Total | ND | | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Magnesium, Total | ND | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Manganese, Total | ND | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Potassium, Total | ND | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Silver, Total | 0.00025 | J | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Sodium, Total | ND | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |
| Zinc, Total | ND | | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 15:40 | 06/12/18 11:01 | 1,6020A | AM |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab for sample(s): 19-22 Batch: WG1124627-1 | | | | | | | | | | |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 17:05 | 1,7470A | EA |

**Prep Information**

Digestion Method: EPA 7470A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 19-22,37-38 Batch: WG1124634-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 12:01 | 06/11/18 16:39 | 1,7470A | EA |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
# Batch Quality Control

## Prep Information

Digestion Method: EPA 7470A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab for sample(s): 19-22 Batch: WG1124651-1 | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Antimony, Dissolved | 0.00183 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Barium, Dissolved | ND | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Calcium, Dissolved | ND | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Cobalt, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Iron, Dissolved | 0.0308 | J | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Magnesium, Dissolved | ND | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Manganese, Dissolved | ND | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Potassium, Dissolved | ND | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Silver, Dissolved | 0.00029 | J | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Sodium, Dissolved | ND | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 13:05 | 06/12/18 09:24 | 1,6020A | AM |

## Prep Information

Digestion Method: EPA 3005A



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab for sample(s): 37-38 Batch: WG1124714-1 | | | | | | | | | | |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 06/11/18 15:37 | 06/11/18 17:40 | 1,7470A | EA |

**Prep Information**

Digestion Method: EPA 7470A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab for sample(s): 37-38 Batch: WG1124721-1 | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Antimony, Dissolved | 0.00127 | J | mg/l | 0.00400 | 0.00042 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Barium, Dissolved | ND | | mg/l | 0.00050 | 0.00017 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Calcium, Dissolved | ND | | mg/l | 0.100 | 0.0394 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Cobalt, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Iron, Dissolved | ND | | mg/l | 0.0500 | 0.0191 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Magnesium, Dissolved | ND | | mg/l | 0.0700 | 0.0242 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Manganese, Dissolved | ND | | mg/l | 0.00100 | 0.00044 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Potassium, Dissolved | ND | | mg/l | 0.100 | 0.0309 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Silver, Dissolved | 0.00022 | J | mg/l | 0.00040 | 0.00016 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Sodium, Dissolved | ND | | mg/l | 0.100 | 0.0293 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 06/11/18 16:00 | 06/12/18 11:50 | 1,6020A | AM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
# Batch Quality Control

## Prep Information

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 01-18,29,35 Batch: WG1124760-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.00 | 1.08 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Antimony, Total | ND | | mg/kg | 2.00 | 0.152 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Arsenic, Total | ND | | mg/kg | 0.400 | 0.083 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Barium, Total | ND | | mg/kg | 0.400 | 0.070 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Beryllium, Total | ND | | mg/kg | 0.200 | 0.013 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Cadmium, Total | ND | | mg/kg | 0.400 | 0.039 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Calcium, Total | ND | | mg/kg | 4.00 | 1.40 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Chromium, Total | ND | | mg/kg | 0.400 | 0.038 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Cobalt, Total | ND | | mg/kg | 0.800 | 0.066 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Copper, Total | ND | | mg/kg | 0.400 | 0.103 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Iron, Total | ND | | mg/kg | 2.00 | 0.361 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Lead, Total | ND | | mg/kg | 2.00 | 0.107 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Magnesium, Total | ND | | mg/kg | 4.00 | 0.616 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Manganese, Total | ND | | mg/kg | 0.400 | 0.064 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Nickel, Total | ND | | mg/kg | 1.00 | 0.097 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Potassium, Total | ND | | mg/kg | 100 | 5.76 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Selenium, Total | 0.124 | J | mg/kg | 0.800 | 0.103 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Silver, Total | ND | | mg/kg | 0.400 | 0.113 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Sodium, Total | ND | | mg/kg | 80.0 | 1.26 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Thallium, Total | ND | | mg/kg | 0.800 | 0.126 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Vanadium, Total | ND | | mg/kg | 0.400 | 0.081 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |
| Zinc, Total | ND | | mg/kg | 2.00 | 0.117 | 1 | 06/11/18 19:41 | 06/11/18 23:48 | 1,6010C | AB |

## Prep Information

Digestion Method: EPA 3050B



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 30-34,36 Batch: WG1124762-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.00 | 1.08 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Antimony, Total | ND | | mg/kg | 2.00 | 0.152 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Arsenic, Total | ND | | mg/kg | 0.400 | 0.083 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Barium, Total | ND | | mg/kg | 0.400 | 0.070 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Beryllium, Total | ND | | mg/kg | 0.200 | 0.013 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Cadmium, Total | ND | | mg/kg | 0.400 | 0.039 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Calcium, Total | ND | | mg/kg | 4.00 | 1.40 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Chromium, Total | ND | | mg/kg | 0.400 | 0.038 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Cobalt, Total | ND | | mg/kg | 0.800 | 0.066 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Copper, Total | ND | | mg/kg | 0.400 | 0.103 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Iron, Total | ND | | mg/kg | 2.00 | 0.361 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Lead, Total | ND | | mg/kg | 2.00 | 0.107 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Magnesium, Total | ND | | mg/kg | 4.00 | 0.616 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Manganese, Total | ND | | mg/kg | 0.400 | 0.064 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Nickel, Total | ND | | mg/kg | 1.00 | 0.097 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Potassium, Total | ND | | mg/kg | 100 | 5.76 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Selenium, Total | ND | | mg/kg | 0.800 | 0.103 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Silver, Total | ND | | mg/kg | 0.400 | 0.113 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Sodium, Total | 6.34 | J | mg/kg | 80.0 | 1.26 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Thallium, Total | ND | | mg/kg | 0.800 | 0.126 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Vanadium, Total | ND | | mg/kg | 0.400 | 0.081 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |
| Zinc, Total | ND | | mg/kg | 2.00 | 0.117 | 1 | 06/11/18 20:00 | 06/12/18 08:43 | 1,6010C | LC |

**Prep Information**

Digestion Method: EPA 3050B

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 01-18,29,35 Batch: WG1124845-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.083 | 0.018 | 1 | 06/12/18 08:30 | 06/12/18 11:15 | 1,7471B | BV |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
# Batch Quality Control

**Prep Information**

Digestion Method: EPA 7471B

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 30-34,36 Batch: WG1124846-1 | | | | | | | | | | |
| Mercury, Total | 0.022 | J | mg/kg | 0.083 | 0.018 | 1 | 06/12/18 08:30 | 06/12/18 10:41 | 1,7471B | BV |

**Prep Information**

Digestion Method: EPA 7471B



TRIAL MODE - Click here for more information

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 37-38 Batch: WG1124238-2 | | | | | | | | |
| Aluminum, Total | 101 | | - | | 80-120 | - | | |
| Antimony, Total | 103 | | - | | 80-120 | - | | |
| Arsenic, Total | 104 | | - | | 80-120 | - | | |
| Barium, Total | 101 | | - | | 80-120 | - | | |
| Beryllium, Total | 105 | | - | | 80-120 | - | | |
| Cadmium, Total | 106 | | - | | 80-120 | - | | |
| Calcium, Total | 102 | | - | | 80-120 | - | | |
| Chromium, Total | 95 | | - | | 80-120 | - | | |
| Cobalt, Total | 99 | | - | | 80-120 | - | | |
| Copper, Total | 94 | | - | | 80-120 | - | | |
| Iron, Total | 109 | | - | | 80-120 | - | | |
| Lead, Total | 102 | | - | | 80-120 | - | | |
| Magnesium, Total | 103 | | - | | 80-120 | - | | |
| Manganese, Total | 96 | | - | | 80-120 | - | | |
| Nickel, Total | 94 | | - | | 80-120 | - | | |
| Potassium, Total | 103 | | - | | 80-120 | - | | |
| Selenium, Total | 113 | | - | | 80-120 | - | | |
| Silver, Total | 90 | | - | | 80-120 | - | | |
| Sodium, Total | 100 | | - | | 80-120 | - | | |
| Thallium, Total | 99 | | - | | 80-120 | - | | |
| Vanadium, Total | 96 | | - | | 80-120 | - | | |

TRIAL MODE - Click here for more information



# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 37-38 Batch: WG1124238-2 | | | | | |
| Zinc, Total | 103 | - | 80-120 | - | |

TRIAL MODE - Click here for more information



# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 19-22 Batch: WG1124278-2 | | | | | |
| Aluminum, Total | 94 | - | 80-120 | - | |
| Antimony, Total | 88 | - | 80-120 | - | |
| Arsenic, Total | 90 | - | 80-120 | - | |
| Barium, Total | 88 | - | 80-120 | - | |
| Beryllium, Total | 90 | - | 80-120 | - | |
| Cadmium, Total | 94 | - | 80-120 | - | |
| Calcium, Total | 90 | - | 80-120 | - | |
| Chromium, Total | 83 | - | 80-120 | - | |
| Cobalt, Total | 84 | - | 80-120 | - | |
| Copper, Total | 81 | - | 80-120 | - | |
| Iron, Total | 91 | - | 80-120 | - | |
| Lead, Total | 91 | - | 80-120 | - | |
| Magnesium, Total | 94 | - | 80-120 | - | |
| Manganese, Total | 84 | - | 80-120 | - | |
| Nickel, Total | 85 | - | 80-120 | - | |
| Potassium, Total | 89 | - | 80-120 | - | |
| Selenium, Total | 94 | - | 80-120 | - | |
| Silver, Total | 81 | - | 80-120 | - | |
| Sodium, Total | 96 | - | 80-120 | - | |
| Thallium, Total | 87 | - | 80-120 | - | |
| Vanadium, Total | 82 | - | 80-120 | - | |

TRIAL MODE - Click here for more information



# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 19-22 Batch: WG1124278-2 | | | | | |
| Zinc, Total | 95 | - | 80-120 | - | |
| Dissolved Metals - Mansfield Lab Associated sample(s): 19-22 Batch: WG1124627-2 | | | | | |
| Mercury, Dissolved | 106 | - | 80-120 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 19-22,37-38 Batch: WG1124634-2 | | | | | |
| Mercury, Total | 101 | - | 80-120 | - | |

TRIAL MODE - Click here for more information



# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab Associated sample(s): 19-22 Batch: WG1124651-2 | | | | | |
| Aluminum, Dissolved | 104 | - | 80-120 | - | |
| Antimony, Dissolved | 110 | - | 80-120 | - | |
| Arsenic, Dissolved | 108 | - | 80-120 | - | |
| Barium, Dissolved | 104 | - | 80-120 | - | |
| Beryllium, Dissolved | 105 | - | 80-120 | - | |
| Cadmium, Dissolved | 110 | - | 80-120 | - | |
| Calcium, Dissolved | 108 | - | 80-120 | - | |
| Chromium, Dissolved | 102 | - | 80-120 | - | |
| Cobalt, Dissolved | 101 | - | 80-120 | - | |
| Copper, Dissolved | 99 | - | 80-120 | - | |
| Iron, Dissolved | 117 | - | 80-120 | - | |
| Lead, Dissolved | 107 | - | 80-120 | - | |
| Magnesium, Dissolved | 105 | - | 80-120 | - | |
| Manganese, Dissolved | 98 | - | 80-120 | - | |
| Nickel, Dissolved | 103 | - | 80-120 | - | |
| Potassium, Dissolved | 103 | - | 80-120 | - | |
| Selenium, Dissolved | 111 | - | 80-120 | - | |
| Silver, Dissolved | 96 | - | 80-120 | - | |
| Sodium, Dissolved | 105 | - | 80-120 | - | |
| Thallium, Dissolved | 102 | - | 80-120 | - | |
| Vanadium, Dissolved | 101 | - | 80-120 | - | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab Associated sample(s): 19-22 Batch: WG1124651-2 | | | | | |
| Zinc, Dissolved | 113 | - | 80-120 | - | |
| Dissolved Metals - Mansfield Lab Associated sample(s): 37-38 Batch: WG1124714-2 | | | | | |
| Mercury, Dissolved | 96 | - | 80-120 | - | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab Associated sample(s): 37-38 Batch: WG1124721-2 | | | | | |
| Aluminum, Dissolved | 104 | - | 80-120 | - | |
| Antimony, Dissolved | 114 | - | 80-120 | - | |
| Arsenic, Dissolved | 109 | - | 80-120 | - | |
| Barium, Dissolved | 105 | - | 80-120 | - | |
| Beryllium, Dissolved | 106 | - | 80-120 | - | |
| Cadmium, Dissolved | 111 | - | 80-120 | - | |
| Calcium, Dissolved | 106 | - | 80-120 | - | |
| Chromium, Dissolved | 99 | - | 80-120 | - | |
| Cobalt, Dissolved | 100 | - | 80-120 | - | |
| Copper, Dissolved | 100 | - | 80-120 | - | |
| Iron, Dissolved | 106 | - | 80-120 | - | |
| Lead, Dissolved | 110 | - | 80-120 | - | |
| Magnesium, Dissolved | 104 | - | 80-120 | - | |
| Manganese, Dissolved | 99 | - | 80-120 | - | |
| Nickel, Dissolved | 104 | - | 80-120 | - | |
| Potassium, Dissolved | 100 | - | 80-120 | - | |
| Selenium, Dissolved | 110 | - | 80-120 | - | |
| Silver, Dissolved | 99 | - | 80-120 | - | |
| Sodium, Dissolved | 104 | - | 80-120 | - | |
| Thallium, Dissolved | 104 | - | 80-120 | - | |
| Vanadium, Dissolved | 99 | - | 80-120 | - | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab Associated sample(s): 37-38 Batch: WG1124721-2 | | | | | |
| Zinc, Dissolved | 114 | - | 80-120 | - | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-18,29,35 Batch: WG1124760-2 SRM Lot Number: D098-540 | | | | | |
| Aluminum, Total | 72 | - | 47-153 | - | |
| Antimony, Total | 165 | - | 6-194 | - | |
| Arsenic, Total | 101 | - | 83-117 | - | |
| Barium, Total | 95 | - | 82-118 | - | |
| Beryllium, Total | 99 | - | 83-117 | - | |
| Cadmium, Total | 102 | - | 82-117 | - | |
| Calcium, Total | 94 | - | 81-118 | - | |
| Chromium, Total | 95 | - | 83-119 | - | |
| Cobalt, Total | 101 | - | 84-116 | - | |
| Copper, Total | 100 | - | 84-116 | - | |
| Iron, Total | 85 | - | 60-140 | - | |
| Lead, Total | 93 | - | 82-117 | - | |
| Magnesium, Total | 81 | - | 76-124 | - | |
| Manganese, Total | 94 | - | 82-118 | - | |
| Nickel, Total | 100 | - | 82-117 | - | |
| Potassium, Total | 86 | - | 69-131 | - | |
| Selenium, Total | 101 | - | 78-121 | - | |
| Silver, Total | 102 | - | 80-120 | - | |
| Sodium, Total | 101 | - | 74-126 | - | |
| Thallium, Total | 98 | - | 80-119 | - | |
| Vanadium, Total | 94 | - | 79-121 | - | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-18,29,35 Batch: WG1124760-2 SRM Lot Number: D098-540 | | | | | |
| Zinc, Total | 97 | - | 81-119 | - | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 30-34,36 Batch: WG1124762-2 SRM Lot Number: D098-540 | | | | | |
| Aluminum, Total | 77 | - | 47-153 | - | |
| Antimony, Total | 168 | - | 6-194 | - | |
| Arsenic, Total | 100 | - | 83-117 | - | |
| Barium, Total | 93 | - | 82-118 | - | |
| Beryllium, Total | 88 | - | 83-117 | - | |
| Cadmium, Total | 92 | - | 82-117 | - | |
| Calcium, Total | 87 | - | 81-118 | - | |
| Chromium, Total | 94 | - | 83-119 | - | |
| Cobalt, Total | 97 | - | 84-116 | - | |
| Copper, Total | 100 | - | 84-116 | - | |
| Iron, Total | 96 | - | 60-140 | - | |
| Lead, Total | 95 | - | 82-117 | - | |
| Magnesium, Total | 83 | - | 76-124 | - | |
| Manganese, Total | 90 | - | 82-118 | - | |
| Nickel, Total | 94 | - | 82-117 | - | |
| Potassium, Total | 86 | - | 69-131 | - | |
| Selenium, Total | 101 | - | 78-121 | - | |
| Silver, Total | 102 | - | 80-120 | - | |
| Sodium, Total | 93 | - | 74-126 | - | |
| Thallium, Total | 97 | - | 80-119 | - | |
| Vanadium, Total | 100 | - | 79-121 | - | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 30-34,36 Batch: WG1124762-2 SRM Lot Number: D098-540 | | | | | |
| Zinc, Total | 95 | - | 81-119 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 01-18,29,35 Batch: WG1124845-2 SRM Lot Number: D098-540 | | | | | |
| Mercury, Total | 91 | - | 50-149 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 30-34,36 Batch: WG1124846-2 SRM Lot Number: D098-540 | | | | | |
| Mercury, Total | 94 | - | 50-149 | - | |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 37-38 QC Batch ID: WG1124238-3 QC Sample: L1820931-01 Client ID: MS Sample | | | | | | | | | | | | |
| Aluminum, Total | 0.080 | 2 | 2.09 | 100 | | - | - | | 75-125 | - | | 20 |
| Antimony, Total | 0.0019J | 0.5 | 0.6300 | **126** | Q | - | - | | 75-125 | - | | 20 |
| Arsenic, Total | 0.1698 | 0.12 | 0.3072 | 114 | | - | - | | 75-125 | - | | 20 |
| Barium, Total | 0.4062 | 2 | 2.423 | 101 | | - | - | | 75-125 | - | | 20 |
| Beryllium, Total | ND | 0.05 | 0.05105 | 102 | | - | - | | 75-125 | - | | 20 |
| Cadmium, Total | ND | 0.051 | 0.05151 | 101 | | - | - | | 75-125 | - | | 20 |
| Calcium, Total | 186. | 10 | 181 | **0** | Q | - | - | | 75-125 | - | | 20 |
| Chromium, Total | 0.0196 | 0.2 | 0.2120 | 96 | | - | - | | 75-125 | - | | 20 |
| Cobalt, Total | 0.0149 | 0.5 | 0.5059 | 98 | | - | - | | 75-125 | - | | 20 |
| Copper, Total | 0.0011 | 0.25 | 0.2331 | 93 | | - | - | | 75-125 | - | | 20 |
| Iron, Total | 154. | 1 | 148 | **0** | Q | - | - | | 75-125 | - | | 20 |
| Lead, Total | ND | 0.51 | 0.5468 | 107 | | - | - | | 75-125 | - | | 20 |
| Magnesium, Total | 78.8 | 10 | 100 | **212** | Q | - | - | | 75-125 | - | | 20 |
| Manganese, Total | 1.424 | 0.5 | 1.838 | 83 | | - | - | | 75-125 | - | | 20 |
| Nickel, Total | 0.06890 | 0.5 | 0.5479 | 96 | | - | - | | 75-125 | - | | 20 |
| Potassium, Total | 231. | 10 | 254 | **230** | Q | - | - | | 75-125 | - | | 20 |
| Selenium, Total | ND | 0.12 | 0.124 | 103 | | - | - | | 75-125 | - | | 20 |
| Silver, Total | 0.0006J | 0.05 | 0.04605 | 92 | | - | - | | 75-125 | - | | 20 |
| Sodium, Total | 648. | 10 | 596 | **0** | Q | - | - | | 75-125 | - | | 20 |
| Thallium, Total | ND | 0.12 | 0.1238 | 103 | | - | - | | 75-125 | - | | 20 |
| Vanadium, Total | 0.0238 | 0.5 | 0.5111 | 97 | | - | - | | 75-125 | - | | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 37-38 QC Batch ID: WG1124238-3 QC Sample: L1820931-01 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 0.0089J | 0.5 | 0.5057 | 101 | - | - | 75-125 | - | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 19-22 QC Batch ID: WG1124278-3 WG1124278-4 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | |
| Aluminum, Total | 0.132 | 2 | 2.24 | 105 | | 2.21 | 104 | | 75-125 | 1 | 20 |
| Antimony, Total | 0.00332J | 0.5 | 0.5820 | 116 | | 0.5788 | 116 | | 75-125 | 1 | 20 |
| Arsenic, Total | 0.00029J | 0.12 | 0.1359 | 113 | | 0.1288 | 107 | | 75-125 | 5 | 20 |
| Barium, Total | 0.1233 | 2 | 2.226 | 105 | | 2.129 | 100 | | 75-125 | 4 | 20 |
| Beryllium, Total | ND | 0.05 | 0.05364 | 107 | | 0.05312 | 106 | | 75-125 | 1 | 20 |
| Cadmium, Total | 0.00038 | 0.051 | 0.05833 | 114 | | 0.05562 | 108 | | 75-125 | 5 | 20 |
| Calcium, Total | 88.9 | 10 | 101 | 121 | | 98.7 | 98 | | 75-125 | 2 | 20 |
| Chromium, Total | 0.00077J | 0.2 | 0.1988 | 99 | | 0.1885 | 94 | | 75-125 | 5 | 20 |
| Cobalt, Total | 0.00654 | 0.5 | 0.4976 | 98 | | 0.4909 | 97 | | 75-125 | 1 | 20 |
| Copper, Total | 0.00118 | 0.25 | 0.2453 | 98 | | 0.2384 | 95 | | 75-125 | 3 | 20 |
| Iron, Total | 1.26 | 1 | 2.36 | 110 | | 2.30 | 104 | | 75-125 | 3 | 20 |
| Lead, Total | 0.00070J | 0.51 | 0.5648 | 111 | | 0.5302 | 104 | | 75-125 | 6 | 20 |
| Magnesium, Total | 15.2 | 10 | 25.3 | 101 | | 25.2 | 100 | | 75-125 | 0 | 20 |
| Manganese, Total | 6.621 | 0.5 | 7.354 | **147** | Q | 7.168 | 109 | | 75-125 | 3 | 20 |
| Nickel, Total | 0.01847 | 0.5 | 0.5234 | 101 | | 0.5017 | 97 | | 75-125 | 4 | 20 |
| Potassium, Total | 8.18 | 10 | 18.2 | 100 | | 17.8 | 96 | | 75-125 | 2 | 20 |
| Selenium, Total | ND | 0.12 | 0.132 | 110 | | 0.133 | 111 | | 75-125 | 1 | 20 |
| Silver, Total | 0.00018J | 0.05 | 0.04679 | 94 | | 0.04704 | 94 | | 75-125 | 1 | 20 |
| Sodium, Total | 28.7 | 10 | 43.8 | **151** | Q | 43.2 | **145** | Q | 75-125 | 1 | 20 |
| Thallium, Total | ND | 0.12 | 0.1275 | 106 | | 0.1186 | 99 | | 75-125 | 7 | 20 |
| Vanadium, Total | ND | 0.5 | 0.4944 | 99 | | 0.4734 | 95 | | 75-125 | 4 | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 19-22 QC Batch ID: WG1124278-3 WG1124278-4 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | |
| Zinc, Total | 0.03706 | 0.5 | 0.6009 | 113 | 0.5827 | 109 | 75-125 | 3 | 20 |
| Dissolved Metals - Mansfield Lab Associated sample(s): 19-22 QC Batch ID: WG1124627-3 WG1124627-4 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | |
| Mercury, Dissolved | ND | 0.005 | 0.00484 | 97 | 0.00487 | 98 | 75-125 | 1 | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124634-3 WG1124634-4 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | |
| Mercury, Total | ND | 0.005 | 0.00467 | 93 | 0.00461 | 92 | 75-125 | 1 | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab Associated sample(s): 19-22 QC Batch ID: WG1124651-3 WG1124651-4 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | |
| Aluminum, Dissolved | ND | 2 | 2.00 | 100 | | 2.08 | 104 | | 75-125 | 4 | 20 |
| Antimony, Dissolved | 0.00375J | 0.5 | 0.5742 | 115 | | 0.6058 | 121 | | 75-125 | 5 | 20 |
| Arsenic, Dissolved | ND | 0.12 | 0.1262 | 105 | | 0.1298 | 108 | | 75-125 | 3 | 20 |
| Barium, Dissolved | 0.1251 | 2 | 2.090 | 98 | | 2.165 | 102 | | 75-125 | 4 | 20 |
| Beryllium, Dissolved | ND | 0.05 | 0.05240 | 105 | | 0.05237 | 105 | | 75-125 | 0 | 20 |
| Cadmium, Dissolved | 0.00042 | 0.051 | 0.05483 | 107 | | 0.05729 | 112 | | 75-125 | 4 | 20 |
| Calcium, Dissolved | 95.6 | 10 | 97.6 | **20** | Q | 99.9 | **43** | Q | 75-125 | 2 | 20 |
| Chromium, Dissolved | ND | 0.2 | 0.1950 | 98 | | 0.2032 | 102 | | 75-125 | 4 | 20 |
| Cobalt, Dissolved | 0.00718 | 0.5 | 0.4923 | 97 | | 0.5036 | 99 | | 75-125 | 2 | 20 |
| Copper, Dissolved | 0.00047J | 0.25 | 0.2448 | 98 | | 0.2437 | 97 | | 75-125 | 0 | 20 |
| Iron, Dissolved | 0.252 | 1 | 1.28 | 103 | | 1.31 | 106 | | 75-125 | 2 | 20 |
| Lead, Dissolved | ND | 0.51 | 0.5264 | 103 | | 0.5508 | 108 | | 75-125 | 5 | 20 |
| Magnesium, Dissolved | 16.5 | 10 | 24.8 | 83 | | 26.1 | 96 | | 75-125 | 5 | 20 |
| Manganese, Dissolved | 7.088 | 0.5 | 7.091 | **1** | Q | 7.217 | **26** | Q | 75-125 | 2 | 20 |
| Nickel, Dissolved | 0.01912 | 0.5 | 0.5057 | 97 | | 0.5339 | 103 | | 75-125 | 5 | 20 |
| Potassium, Dissolved | 8.87 | 10 | 18.2 | 93 | | 18.6 | 97 | | 75-125 | 2 | 20 |
| Selenium, Dissolved | ND | 0.12 | 0.124 | 103 | | 0.128 | 107 | | 75-125 | 3 | 20 |
| Silver, Dissolved | 0.00030J | 0.05 | 0.04502 | 90 | | 0.04756 | 95 | | 75-125 | 5 | 20 |
| Sodium, Dissolved | 33.3 | 10 | 43.3 | 100 | | 44.4 | 111 | | 75-125 | 3 | 20 |
| Thallium, Dissolved | ND | 0.12 | 0.1178 | 98 | | 0.1230 | 102 | | 75-125 | 4 | 20 |
| Vanadium, Dissolved | ND | 0.5 | 0.4893 | 98 | | 0.4997 | 100 | | 75-125 | 2 | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab Associated sample(s): 19-22 QC Batch ID: WG1124651-3 WG1124651-4 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | |
| Zinc, Dissolved | 0.04118 | 0.5 | 0.5805 | 108 | 0.6040 | 112 | 75-125 | 4 | 20 |
| Dissolved Metals - Mansfield Lab Associated sample(s): 37-38 QC Batch ID: WG1124714-3 QC Sample: L1820814-37 Client ID: FIELD BLANK | | | | | | | | | |
| Mercury, Dissolved | ND | 0.005 | 0.00494 | 99 | - | - | 75-125 | - | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab Associated sample(s): 37-38 QC Batch ID: WG1124721-3 QC Sample: L1820814-37 Client ID: FIELD BLANK | | | | | | | | | |
| Aluminum, Dissolved | 0.00739J | 2 | 2.09 | 104 | - | - | 75-125 | - | 20 |
| Antimony, Dissolved | ND | 0.5 | 0.5898 | 118 | - | - | 75-125 | - | 20 |
| Arsenic, Dissolved | ND | 0.12 | 0.1322 | 110 | - | - | 75-125 | - | 20 |
| Barium, Dissolved | 0.00051 | 2 | 2.096 | 105 | - | - | 75-125 | - | 20 |
| Beryllium, Dissolved | ND | 0.05 | 0.05180 | 104 | - | - | 75-125 | - | 20 |
| Cadmium, Dissolved | ND | 0.051 | 0.05694 | 112 | - | - | 75-125 | - | 20 |
| Calcium, Dissolved | 0.723 | 10 | 11.0 | 103 | - | - | 75-125 | - | 20 |
| Chromium, Dissolved | ND | 0.2 | 0.1991 | 100 | - | - | 75-125 | - | 20 |
| Cobalt, Dissolved | ND | 0.5 | 0.5043 | 101 | - | - | 75-125 | - | 20 |
| Copper, Dissolved | ND | 0.25 | 0.2505 | 100 | - | - | 75-125 | - | 20 |
| Iron, Dissolved | ND | 1 | 1.09 | 109 | - | - | 75-125 | - | 20 |
| Lead, Dissolved | ND | 0.51 | 0.5500 | 108 | - | - | 75-125 | - | 20 |
| Magnesium, Dissolved | ND | 10 | 10.6 | 106 | - | - | 75-125 | - | 20 |
| Manganese, Dissolved | 0.00073J | 0.5 | 0.4893 | 98 | - | - | 75-125 | - | 20 |
| Nickel, Dissolved | ND | 0.5 | 0.5041 | 101 | - | - | 75-125 | - | 20 |
| Potassium, Dissolved | 0.0518J | 10 | 10.0 | 100 | - | - | 75-125 | - | 20 |
| Selenium, Dissolved | ND | 0.12 | 0.135 | 112 | - | - | 75-125 | - | 20 |
| Silver, Dissolved | ND | 0.05 | 0.04932 | 99 | - | - | 75-125 | - | 20 |
| Sodium, Dissolved | 0.492 | 10 | 11.2 | 107 | - | - | 75-125 | - | 20 |
| Thallium, Dissolved | ND | 0.12 | 0.1235 | 103 | - | - | 75-125 | - | 20 |
| Vanadium, Dissolved | ND | 0.5 | 0.4963 | 99 | - | - | 75-125 | - | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab Associated sample(s): 37-38 QC Batch ID: WG1124721-3 QC Sample: L1820814-37 Client ID: FIELD BLANK | | | | | | | | | |
| Zinc, Dissolved | ND | 0.5 | 0.5676 | 114 | - | - | 75-125 | - | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | | Recovery Limits | RPD | | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-18,29,35 QC Batch ID: WG1124760-3 WG1124760-4 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| Aluminum, Total | 5720 | 175 | 6110 | **223** | Q | 5760 | **24** | Q | 75-125 | 6 | | 20 |
| Antimony, Total | 0.679J | 43.7 | 38.0 | 87 | | 35.4 | 86 | | 75-125 | 7 | | 20 |
| Arsenic, Total | 4.53 | 10.5 | 14.4 | 94 | | 13.0 | 86 | | 75-125 | 10 | | 20 |
| Barium, Total | 72.1 | 175 | 264 | 110 | | 217 | 88 | | 75-125 | 20 | | 20 |
| Beryllium, Total | 0.318J | 4.37 | 4.30 | 98 | | 4.08 | 99 | | 75-125 | 5 | | 20 |
| Cadmium, Total | 0.559J | 4.45 | 4.67 | 105 | | 4.32 | 103 | | 75-125 | 8 | | 20 |
| Calcium, Total | 1800 | 873 | 3300 | **172** | Q | 2520 | 87 | | 75-125 | **27** | Q | 20 |
| Chromium, Total | 12.5 | 17.5 | 27.5 | 86 | | 25.4 | 78 | | 75-125 | 8 | | 20 |
| Cobalt, Total | 10.4 | 43.7 | 44.0 | 77 | | 42.2 | 77 | | 75-125 | 4 | | 20 |
| Copper, Total | 21.6 | 21.8 | 49.8 | **129** | Q | 38.1 | 80 | | 75-125 | **27** | Q | 20 |
| Iron, Total | 15300 | 87.3 | 13800 | **0** | Q | 12200 | **0** | Q | 75-125 | 12 | | 20 |
| Lead, Total | 120. | 44.5 | 286 | **373** | Q | 179 | **140** | Q | 75-125 | **46** | Q | 20 |
| Magnesium, Total | 1720 | 873 | 2440 | 82 | | 2390 | 81 | | 75-125 | 2 | | 20 |
| Manganese, Total | 548. | 43.7 | 314 | **0** | Q | 292 | **0** | Q | 75-125 | 7 | | 20 |
| Nickel, Total | 11.6 | 43.7 | 49.1 | 86 | | 46.3 | 84 | | 75-125 | 6 | | 20 |
| Potassium, Total | 752. | 873 | 1700 | 108 | | 1620 | 105 | | 75-125 | 5 | | 20 |
| Selenium, Total | ND | 10.5 | 9.40 | 90 | | 8.78 | 89 | | 75-125 | 7 | | 20 |
| Silver, Total | ND | 26.2 | 26.0 | 99 | | 24.3 | 98 | | 75-125 | 7 | | 20 |
| Sodium, Total | 161.J | 873 | 1020 | 117 | | 947 | 115 | | 75-125 | 7 | | 20 |
| Thallium, Total | ND | 10.5 | 9.60 | 92 | | 9.01 | 91 | | 75-125 | 6 | | 20 |
| Vanadium, Total | 33.9 | 43.7 | 59.2 | **58** | Q | 55.6 | **52** | Q | 75-125 | 6 | | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | | Recovery Limits | RPD | | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-18,29,35 QC Batch ID: WG1124760-3 WG1124760-4 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| Zinc, Total | 155. | 43.7 | 176 | **48** | Q | 132 | **0** | Q | 75-125 | **29** | Q | 20 |

TRIAL MODE - Click here for more information



# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | | Recovery Limits | RPD | | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 30-34,36 QC Batch ID: WG1124762-3 WG1124762-4 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| Aluminum, Total | 5130 | 176 | 6380 | **711** | Q | 7060 | **1060** | Q | 75-125 | 10 | | 20 |
| Antimony, Total | 0.875J | 43.9 | 38.8 | 88 | | 42.2 | 93 | | 75-125 | 8 | | 20 |
| Arsenic, Total | 5.17 | 10.5 | 15.4 | 97 | | 16.4 | 103 | | 75-125 | 6 | | 20 |
| Barium, Total | 225. | 176 | 405 | 102 | | 431 | 114 | | 75-125 | 6 | | 20 |
| Beryllium, Total | 0.207J | 4.39 | 3.72 | 85 | | 4.35 | 96 | | 75-125 | 16 | | 20 |
| Cadmium, Total | ND | 4.48 | 3.32 | **74** | Q | 3.70 | 80 | | 75-125 | 11 | | 20 |
| Calcium, Total | 15500 | 878 | 13800 | **0** | Q | 29000 | **1490** | Q | 75-125 | **71** | Q | 20 |
| Chromium, Total | 15.2 | 17.6 | 34.8 | 112 | | 37.4 | 122 | | 75-125 | 7 | | 20 |
| Cobalt, Total | 4.71 | 43.9 | 41.4 | 84 | | 43.4 | 85 | | 75-125 | 5 | | 20 |
| Copper, Total | 43.0 | 22 | 90.5 | **216** | Q | 129 | **380** | Q | 75-125 | **35** | Q | 20 |
| Iron, Total | 12500 | 87.8 | 16200 | **4210** | Q | 15000 | **2760** | Q | 75-125 | 8 | | 20 |
| Lead, Total | 443. | 44.8 | 543 | **223** | Q | 533 | **195** | Q | 75-125 | 2 | | 20 |
| Magnesium, Total | 2120 | 878 | 2640 | **59** | Q | 4090 | **217** | Q | 75-125 | **43** | Q | 20 |
| Manganese, Total | 226. | 43.9 | 299 | **166** | Q | 314 | **194** | Q | 75-125 | 5 | | 20 |
| Nickel, Total | 9.15 | 43.9 | 46.2 | 84 | | 49.6 | 89 | | 75-125 | 7 | | 20 |
| Potassium, Total | 1030 | 878 | 1960 | 106 | | 2290 | **139** | Q | 75-125 | 16 | | 20 |
| Selenium, Total | 0.586J | 10.5 | 10.2 | 97 | | 10.9 | 100 | | 75-125 | 7 | | 20 |
| Silver, Total | ND | 26.4 | 25.2 | 96 | | 27.7 | 102 | | 75-125 | 9 | | 20 |
| Sodium, Total | 196. | 878 | 1070 | 99 | | 1230 | 114 | | 75-125 | 14 | | 20 |
| Thallium, Total | ND | 10.5 | 7.91 | 75 | | 8.31 | 76 | | 75-125 | 5 | | 20 |
| Vanadium, Total | 19.0 | 43.9 | 61.3 | 96 | | 62.4 | 96 | | 75-125 | 2 | | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | | Recovery Limits | RPD | | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 30-34,36 QC Batch ID: WG1124762-3 WG1124762-4 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| Zinc, Total | 236. | 43.9 | 628 | **892** | Q | 750 | **1130** | Q | 75-125 | 18 | | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-18,29,35 QC Batch ID: WG1124845-3 WG1124845-4 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| Mercury, Total | 0.609 | 0.139 | 0.758 | 107 | | 0.978 | **267** | Q | 80-120 | **25** | Q | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 30-34,36 QC Batch ID: WG1124846-3 WG1124846-4 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| Mercury, Total | 2.23 | 0.144 | 2.55 | **221** | Q | 2.48 | **173** | Q | 80-120 | 3 | | 20 |

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# Lab Duplicate Analysis
*Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 37-38 QC Batch ID: WG1124238-4 QC Sample: L1820931-01 Client ID: DUP Sample | | | | | | |
| Nickel, Total | 0.06890 | 0.06829 | mg/l | 1 | | 20 |
| Dissolved Metals - Mansfield Lab Associated sample(s): 37-38 QC Batch ID: WG1124714-4 QC Sample: L1820814-37 Client ID: FIELD BLANK | | | | | | |
| Mercury, Dissolved | ND | ND | mg/l | NC | | 20 |

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# Lab Duplicate Analysis
*Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab Associated sample(s): 37-38 QC Batch ID: WG1124721-4 QC Sample: L1820814-37 Client ID: FIELD BLANK | | | | | |
| Aluminum, Dissolved | 0.00739J | ND | mg/l | NC | 20 |
| Antimony, Dissolved | ND | 0.00067J | mg/l | NC | 20 |
| Arsenic, Dissolved | ND | ND | mg/l | NC | 20 |
| Barium, Dissolved | 0.00051 | 0.00037J | mg/l | NC | 20 |
| Beryllium, Dissolved | ND | ND | mg/l | NC | 20 |
| Cadmium, Dissolved | ND | ND | mg/l | NC | 20 |
| Calcium, Dissolved | 0.723 | 0.0483J | mg/l | NC | 20 |
| Chromium, Dissolved | ND | ND | mg/l | NC | 20 |
| Cobalt, Dissolved | ND | ND | mg/l | NC | 20 |
| Copper, Dissolved | ND | ND | mg/l | NC | 20 |
| Iron, Dissolved | ND | ND | mg/l | NC | 20 |
| Lead, Dissolved | ND | ND | mg/l | NC | 20 |
| Magnesium, Dissolved | ND | ND | mg/l | NC | 20 |
| Manganese, Dissolved | 0.00073J | 0.00060J | mg/l | NC | 20 |
| Nickel, Dissolved | ND | ND | mg/l | NC | 20 |
| Potassium, Dissolved | 0.0518J | 0.0452J | mg/l | NC | 20 |
| Selenium, Dissolved | ND | ND | mg/l | NC | 20 |
| Silver, Dissolved | ND | ND | mg/l | NC | 20 |
| Sodium, Dissolved | 0.492 | 0.489 | mg/l | 1 | 20 |

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# Lab Duplicate Analysis
*Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Dissolved Metals - Mansfield Lab Associated sample(s): 37-38 QC Batch ID: WG1124721-4 QC Sample: L1820814-37 Client ID: FIELD BLANK | | | | | |
| Thallium, Dissolved | ND | ND | mg/l | NC | 20 |
| Vanadium, Dissolved | ND | ND | mg/l | NC | 20 |
| Zinc, Dissolved | ND | ND | mg/l | NC | 20 |

# INORGANICS
# &
# MISCELLANEOUS



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-01
Client ID: SB-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91.9 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:21 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | 0.326 | J | mg/kg | 0.870 | 0.174 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-02
Client ID: SB-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 15:05
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91.4 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.0 | 0.21 | 1 | 06/11/18 07:35 | 06/11/18 16:26 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.875 | 0.175 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-03
Client ID: SB-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86.5 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:27 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.925 | 0.185 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-04
Client ID: SB-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80.6 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.2 | 0.26 | 1 | 06/11/18 07:35 | 06/11/18 16:28 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.992 | 0.198 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-05
Client ID: SB-5A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 78.6 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | 1.0 | J | mg/kg | 1.3 | 0.27 | 1 | 06/11/18 07:35 | 06/11/18 16:29 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 1.02 | 0.204 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-06
Client ID: SB-6A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 14:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90.2 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:30 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.887 | 0.177 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-07
Client ID: SB-7A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 12:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86.5 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:32 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | 0.220 | J | mg/kg | 0.925 | 0.185 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-08
Client ID: SB-8A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:25
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91.8 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.0 | 0.21 | 1 | 06/11/18 07:35 | 06/11/18 16:33 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.871 | 0.174 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-09
Client ID: SB-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87.4 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:34 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.915 | 0.183 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-10
Client ID: SB-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 15:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91.3 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.0 | 0.22 | 1 | 06/11/18 07:35 | 06/11/18 16:35 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.876 | 0.175 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-11
Client ID: SB-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91.7 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:36 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.872 | 0.174 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-12
Client ID: SB-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89.4 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:39 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.895 | 0.179 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-13
Client ID: SB-5B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90.7 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.0 | 0.21 | 1 | 06/11/18 07:35 | 06/11/18 16:40 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.882 | 0.176 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-14
Client ID: SB-6B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 14:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90.7 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:41 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.882 | 0.176 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-15
Client ID: SB-7B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 12:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84.2 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:42 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.950 | 0.190 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-16
Client ID: SB-8B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 12:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89.1 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:43 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.898 | 0.180 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-17
Client ID: DUP-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 07:33
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 92.5 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:44 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | 0.205 | J | mg/kg | 0.865 | 0.173 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-18
Client ID: DUP-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 07:54
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89.9 | | % | 0.100 | NA | 1 | - | 06/08/18 12:21 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 16:45 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.890 | 0.178 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-19
Client ID: MW-A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 16:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Cyanide, Total | ND | | mg/l | 0.005 | 0.001 | 1 | 06/09/18 14:45 | 06/11/18 09:47 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 06/06/18 06:49 | 06/06/18 07:22 | 1,7196A | UN |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-20
Client ID: MW-B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 13:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Cyanide, Total | 0.002 | J | mg/l | 0.005 | 0.001 | 1 | 06/09/18 14:45 | 06/11/18 09:50 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 06/06/18 06:49 | 06/06/18 07:22 | 1,7196A | UN |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-21
Client ID: MW-C
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 10:00
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Cyanide, Total | 0.029 | | mg/l | 0.005 | 0.001 | 1 | 06/09/18 14:45 | 06/11/18 09:53 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 06/06/18 06:49 | 06/06/18 07:23 | 1,7196A | UN |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-22
Client ID: GW-DUP
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 11:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Cyanide, Total | 0.031 | | mg/l | 0.005 | 0.001 | 1 | 06/09/18 14:45 | 06/11/18 09:54 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 06/06/18 06:49 | 06/06/18 07:23 | 1,7196A | UN |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-29
Client ID: SS-1A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90.0 | | % | 0.100 | NA | 1 | - | 06/08/18 12:37 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.24 | 1 | 06/11/18 07:35 | 06/11/18 16:46 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.889 | 0.178 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-30
Client ID: SS-2A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:08
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 83.1 | | % | 0.100 | NA | 1 | - | 06/08/18 12:37 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.2 | 0.25 | 1 | 06/11/18 07:35 | 06/11/18 13:05 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | 0.289 | J | mg/kg | 0.963 | 0.192 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-31
Client ID: SS-3A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:45
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91.1 | | % | 0.100 | NA | 1 | - | 06/08/18 12:37 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 13:24 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.878 | 0.176 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-32
Client ID: SS-4A
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86.1 | | % | 0.100 | NA | 1 | - | 06/08/18 12:37 | 121,2540G | RI |
| Cyanide, Total | 0.24 | J | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 07:35 | 06/11/18 13:25 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | 0.546 | J | mg/kg | 0.929 | 0.186 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-33
Client ID: SS-1B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 08:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90.7 | | % | 0.100 | NA | 1 | - | 06/08/18 12:37 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.0 | 0.22 | 1 | 06/11/18 07:35 | 06/11/18 13:26 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.882 | 0.176 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-34
Client ID: SS-2B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 87.2 | | % | 0.100 | NA | 1 | - | 06/08/18 12:37 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 06/11/18 12:20 | 06/11/18 14:51 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.917 | 0.183 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-35
Client ID: SS-3B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 09:55
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 91.1 | | % | 0.100 | NA | 1 | - | 06/08/18 12:37 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.0 | 0.22 | 1 | 06/11/18 07:35 | 06/11/18 16:47 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/kg | 0.878 | 0.176 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-36
Client ID: SS-4B
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 10:40
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86.7 | | % | 0.100 | NA | 1 | - | 06/08/18 12:37 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.24 | 1 | 06/11/18 12:20 | 06/11/18 14:52 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | 3.96 | | mg/kg | 0.923 | 0.184 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-37
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 08:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Cyanide, Total | ND | | mg/l | 0.005 | 0.001 | 1 | 06/09/18 14:45 | 06/11/18 09:55 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 06/06/18 06:49 | 06/06/18 07:21 | 1,7196A | UN |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## SAMPLE RESULTS

Lab ID: L1820814-38
Client ID: FIELD BLANK
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Cyanide, Total | ND | | mg/l | 0.005 | 0.001 | 1 | 06/09/18 14:45 | 06/11/18 09:56 | 1,9010C/9012B | LH |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 06/06/18 06:49 | 06/06/18 07:22 | 1,7196A | UN |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

# Method Blank Analysis
## Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1124042-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/kg | 0.800 | 0.160 | 1 | 06/08/18 02:15 | 06/09/18 00:05 | 1,7196A | RM |
| General Chemistry - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124068-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 06/06/18 06:49 | 06/06/18 07:18 | 1,7196A | UN |
| General Chemistry - Westborough Lab for sample(s): 19-22,37-38 Batch: WG1124310-1 | | | | | | | | | | |
| Cyanide, Total | ND | | mg/l | 0.005 | 0.001 | 1 | 06/09/18 14:45 | 06/11/18 09:40 | 1,9010C/9012B | LH |
| General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1124444-1 | | | | | | | | | | |
| Cyanide, Total | ND | | mg/kg | 0.84 | 0.18 | 1 | 06/11/18 07:35 | 06/11/18 16:14 | 1,9010C/9012B | LH |
| General Chemistry - Westborough Lab for sample(s): 11-18,29,35 Batch: WG1124445-1 | | | | | | | | | | |
| Cyanide, Total | ND | | mg/kg | 0.84 | 0.18 | 1 | 06/11/18 07:35 | 06/11/18 16:15 | 1,9010C/9012B | LH |
| General Chemistry - Westborough Lab for sample(s): 30-33 Batch: WG1124510-1 | | | | | | | | | | |
| Cyanide, Total | ND | | mg/kg | 0.94 | 0.20 | 1 | 06/11/18 07:35 | 06/11/18 13:30 | 1,9010C/9012B | LH |
| General Chemistry - Westborough Lab for sample(s): 11-18,29,35 Batch: WG1124579-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/kg | 0.800 | 0.160 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |
| General Chemistry - Westborough Lab for sample(s): 30-34,36 Batch: WG1124582-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/kg | 0.800 | 0.160 | 1 | 06/10/18 17:16 | 06/11/18 19:30 | 1,7196A | RM |
| General Chemistry - Westborough Lab for sample(s): 34,36 Batch: WG1124607-1 | | | | | | | | | | |
| Cyanide, Total | ND | | mg/kg | 0.94 | 0.20 | 1 | 06/11/18 12:20 | 06/11/18 14:47 | 1,9010C/9012B | LH |



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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1124042-2 | | | | | | | | |
| Chromium, Hexavalent | **77** | Q | - | | 80-120 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124068-2 | | | | | | | | |
| Chromium, Hexavalent | 94 | | - | | 85-115 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 19-22,37-38 Batch: WG1124310-2 WG1124310-3 | | | | | | | | |
| Cyanide, Total | 90 | | 96 | | 85-115 | 6 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1124444-2 WG1124444-3 | | | | | | | | |
| Cyanide, Total | **56** | Q | **35** | Q | 80-120 | **40** | Q | 35 |
| General Chemistry - Westborough Lab Associated sample(s): 11-18,29,35 Batch: WG1124445-2 WG1124445-3 | | | | | | | | |
| Cyanide, Total | **57** | Q | **35** | Q | 80-120 | **41** | Q | 35 |
| General Chemistry - Westborough Lab Associated sample(s): 30-33 Batch: WG1124510-2 WG1124510-3 | | | | | | | | |
| Cyanide, Total | 87 | | **67** | Q | 80-120 | 25 | | 35 |
| General Chemistry - Westborough Lab Associated sample(s): 11-18,29,35 Batch: WG1124579-2 | | | | | | | | |
| Chromium, Hexavalent | 80 | | - | | 80-120 | - | | 20 |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | LCS %Recovery | LCSD %Recovery | | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 30-34,36 Batch: WG1124582-2 | | | | | | |
| Chromium, Hexavalent | 80 | - | | 80-120 | - | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 34,36 Batch: WG1124607-2 WG1124607-3 | | | | | | |
| Cyanide, Total | 82 | **64** | Q | 80-120 | 24 | 35 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1124042-4 QC Sample: L1820814-10 Client ID: SB-2B | | | | | | | | | | | | |
| Chromium, Hexavalent | ND | 1100 | 1100 | 100 | | - | - | | 75-125 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124068-4 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |
| Chromium, Hexavalent | ND | 0.1 | 0.092 | 92 | | - | - | | 85-115 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124310-4 WG1124310-5 QC Sample: L1820814-20 Client ID: MW-B | | | | | | | | | | | | |
| Cyanide, Total | 0.002J | 0.2 | 0.193 | 96 | | 0.189 | 94 | | 80-120 | 2 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1124444-4 WG1124444-5 QC Sample: L1820814-01 Client ID: SB-1A | | | | | | | | | | | | |
| Cyanide, Total | ND | 10 | 9.9 | 99 | | 6.5 | **66** | Q | 75-125 | **41** | Q | 35 |
| General Chemistry - Westborough Lab Associated sample(s): 11-18,29,35 QC Batch ID: WG1124445-4 WG1124445-5 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| Cyanide, Total | ND | 10 | 10 | 100 | | 10 | 95 | | 75-125 | 0 | | 35 |
| General Chemistry - Westborough Lab Associated sample(s): 30-33 QC Batch ID: WG1124510-4 WG1124510-5 QC Sample: L1820814-30 Client ID: SS-2A | | | | | | | | | | | | |
| Cyanide, Total | ND | 12 | 11 | 94 | | 11 | 94 | | 75-125 | 0 | | 35 |
| General Chemistry - Westborough Lab Associated sample(s): 11-18,29,35 QC Batch ID: WG1124579-4 WG1124579-5 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | | | | | | | |
| Chromium, Hexavalent | ND | 1260 | 1220 | 97 | | 1170 | 97 | | 75-125 | 4 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 30-34,36 QC Batch ID: WG1124582-4 WG1124582-5 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | | | | |
| Chromium, Hexavalent | 3.96 | 1120 | 1120 | 100 | | 1220 | 100 | | 75-125 | 9 | | 20 |

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# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 34,36 QC Batch ID: WG1124607-4 WG1124607-5 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | | | | |
| Cyanide, Total | ND | 10 | 12 | 110 | 10 | 95 | 75-125 | 18 | 35 |

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# Lab Duplicate Analysis
*Batch Quality Control*

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG1123962-1 QC Sample: L1820814-01 Client ID: SB-1A | | | | | | |
| Solids, Total | 91.9 | 92.1 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 29-36 QC Batch ID: WG1123977-1 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | |
| Solids, Total | 91.1 | 91.3 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1124042-6 QC Sample: L1820814-10 Client ID: SB-2B | | | | | | |
| Chromium, Hexavalent | ND | ND | mg/kg | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 19-22,37-38 QC Batch ID: WG1124068-3 QC Sample: L1820814-20 Client ID: MW-B | | | | | | |
| Chromium, Hexavalent | ND | ND | mg/l | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 11-18,29,35 QC Batch ID: WG1124579-7 QC Sample: L1820814-35 Client ID: SS-3B | | | | | | |
| Chromium, Hexavalent | ND | ND | mg/kg | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 30-34,36 QC Batch ID: WG1124582-7 QC Sample: L1820814-36 Client ID: SS-4B | | | | | | |
| Chromium, Hexavalent | 3.96 | 0.530J | mg/kg | NC | | 20 |

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***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

## *Sample Receipt and Container Information*

Were project specific reporting limits specified? YES

### *Cooler Information*

| *Cooler* | *Custody Seal* |
|---|---|
| A | Absent |
| B | Absent |
| C | Absent |
| D | Absent |
| E | Absent |
| F | Absent |
| G | Absent |
| H | Absent |
| I | Absent |
| J | Absent |
| K | Absent |
| L | Absent |

### *Container Information*

| *Container ID* | *Container Type* | *Cooler* | *Initial pH* | *Final pH* | *Temp deg C* | *Pres* | *Seal* | *Frozen Date/Time* | *Analysis(*)* |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-01A | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-01B | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-01C | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-01D | Plastic 2oz unpreserved for TS | C | NA | | 3.9 | Y | Absent | | TS(7) |
| L1820814-01E | Metals Only-Glass 60mL/2oz unpreserved | C | NA | | 3.9 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-01F | Glass 120ml/4oz unpreserved | C | NA | | 3.9 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-01G | Glass 500ml/16oz unpreserved | C | NA | | 3.9 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-01X | Vial MeOH preserved split | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-01Y | Vial Water preserved split | C | NA | | 3.9 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-01Z | Vial Water preserved split | C | NA | | 3.9 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-02A | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-02B | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-02C | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-02D | Plastic 2oz unpreserved for TS | C | NA | | 3.9 | Y | Absent | | TS(7) |
| L1820814-02E | Metals Only-Glass 60mL/2oz unpreserved | C | NA | | 3.9 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-02F | Glass 120ml/4oz unpreserved | C | NA | | 3.9 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-02G | Glass 500ml/16oz unpreserved | C | NA | | 3.9 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-02X | Vial MeOH preserved split | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-02Y | Vial Water preserved split | C | NA | | 3.9 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-02Z | Vial Water preserved split | C | NA | | 3.9 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-03A | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-03B | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-03C | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-03D | Plastic 2oz unpreserved for TS | J | NA | | 2.2 | Y | Absent | | TS(7) |
| L1820814-03E | Metals Only-Glass 60mL/2oz unpreserved | J | NA | | 2.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-03F | Glass 120ml/4oz unpreserved | J | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-03G | Glass 500ml/16oz unpreserved | J | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-03X | Vial MeOH preserved split | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-03Y | Vial Water preserved split | J | NA | | 2.2 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-03Z | Vial Water preserved split | J | NA | | 2.2 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-04A | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-04B | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-04C | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-04D | Plastic 2oz unpreserved for TS | I | NA | | 2.1 | Y | Absent | | TS(7) |
| L1820814-04E | Metals Only-Glass 60mL/2oz unpreserved | I | NA | | 2.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-04F | Glass 120ml/4oz unpreserved | I | NA | | 2.1 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-04G | Glass 500ml/16oz unpreserved | I | NA | | 2.1 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-04X | Vial MeOH preserved split | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-04Y | Vial Water preserved split | I | NA | | 2.1 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-04Z | Vial Water preserved split | I | NA | | 2.1 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-05A | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-05B | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-05C | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-05D | Plastic 2oz unpreserved for TS | C | NA | | 3.9 | Y | Absent | | TS(7) |
| L1820814-05E | Metals Only-Glass 60mL/2oz unpreserved | C | NA | | 3.9 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-05F | Glass 120ml/4oz unpreserved | C | NA | | 3.9 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-05G | Glass 500ml/16oz unpreserved | C | NA | | 3.9 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-05X | Vial MeOH preserved split | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-05Y | Vial Water preserved split | C | NA | | 3.9 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-05Z | Vial Water preserved split | C | NA | | 3.9 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-06A | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-06B | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-06C | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-06D | Plastic 2oz unpreserved for TS | C | NA | | 3.9 | Y | Absent | | TS(7) |
| L1820814-06E | Metals Only-Glass 60mL/2oz unpreserved | C | NA | | 3.9 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-06F | Glass 120ml/4oz unpreserved | C | NA | | 3.9 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-06G | Glass 500ml/16oz unpreserved | C | NA | | 3.9 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-06X | Vial MeOH preserved split | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-06Y | Vial Water preserved split | C | NA | | 3.9 | Y | Absent | 06-JUN-18 06:37 | NYTCL-8260HLW(14) |
| L1820814-06Z | Vial Water preserved split | C | NA | | 3.9 | Y | Absent | 06-JUN-18 06:37 | NYTCL-8260HLW(14) |
| L1820814-07A | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-07B | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-07C | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-07D | Plastic 2oz unpreserved for TS | J | NA | | 2.2 | Y | Absent | | TS(7) |
| L1820814-07E | Metals Only-Glass 60mL/2oz unpreserved | J | NA | | 2.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-07F | Glass 120ml/4oz unpreserved | J | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-07G | Glass 500ml/16oz unpreserved | J | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

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## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-07X | Vial MeOH preserved split | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-07Y | Vial Water preserved split | J | NA | | 2.2 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-07Z | Vial Water preserved split | J | NA | | 2.2 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-08A | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-08B | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-08C | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-08D | Plastic 2oz unpreserved for TS | J | NA | | 2.2 | Y | Absent | | TS(7) |
| L1820814-08E | Metals Only-Glass 60mL/2oz unpreserved | J | NA | | 2.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-08F | Glass 120ml/4oz unpreserved | J | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-08G | Glass 500ml/16oz unpreserved | J | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-08X | Vial MeOH preserved split | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-08Y | Vial Water preserved split | J | NA | | 2.2 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-08Z | Vial Water preserved split | J | NA | | 2.2 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-09A | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-09B | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-09C | 5 gram Encore Sampler | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-09D | Plastic 2oz unpreserved for TS | J | NA | | 2.2 | Y | Absent | | TS(7) |
| L1820814-09E | Metals Only-Glass 60mL/2oz unpreserved | J | NA | | 2.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-09F | Glass 120ml/4oz unpreserved | J | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-09G | Glass 500ml/16oz unpreserved | J | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

TRIAL MODE - Click here for more information



**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-09X | Vial MeOH preserved split | J | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-09Y | Vial Water preserved split | J | NA | | 2.2 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-09Z | Vial Water preserved split | J | NA | | 2.2 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-10A | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-10B | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-10C | 5 gram Encore Sampler | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-10D | Plastic 2oz unpreserved for TS | C | NA | | 3.9 | Y | Absent | | TS(7) |
| L1820814-10E | Metals Only-Glass 60mL/2oz unpreserved | C | NA | | 3.9 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-10F | Glass 120ml/4oz unpreserved | C | NA | | 3.9 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-10G | Glass 500ml/16oz unpreserved | C | NA | | 3.9 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-10X | Vial MeOH preserved split | C | NA | | 3.9 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-10Y | Vial Water preserved split | C | NA | | 3.9 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-10Z | Vial Water preserved split | C | NA | | 3.9 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-11A | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-11B | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-11C | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-11D | Plastic 2oz unpreserved for TS | I | NA | | 2.1 | Y | Absent | | TS(7) |
| L1820814-11E | Metals Only-Glass 60mL/2oz unpreserved | I | NA | | 2.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-11F | Glass 120ml/4oz unpreserved | I | NA | | 2.1 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-11G | Glass 500ml/16oz unpreserved | I | NA | | 2.1 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

TRIAL MODE - Click here for more information



**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-11X | Vial MeOH preserved split | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-11Y | Vial Water preserved split | I | NA | | 2.1 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-11Z | Vial Water preserved split | I | NA | | 2.1 | Y | Absent | 06-JUN-18 07:07 | NYTCL-8260HLW(14) |
| L1820814-12A | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-12B | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-12C | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-12D | Plastic 2oz unpreserved for TS | I | NA | | 2.1 | Y | Absent | | TS(7) |
| L1820814-12E | Metals Only-Glass 60mL/2oz unpreserved | I | NA | | 2.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-12F | Glass 120ml/4oz unpreserved | I | NA | | 2.1 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-12G | Glass 500ml/16oz unpreserved | I | NA | | 2.1 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-12X | Vial MeOH preserved split | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-12Y | Vial Water preserved split | I | NA | | 2.1 | Y | Absent | 06-JUN-18 08:30 | NYTCL-8260HLW(14) |
| L1820814-12Z | Vial Water preserved split | I | NA | | 2.1 | Y | Absent | 06-JUN-18 08:30 | NYTCL-8260HLW(14) |
| L1820814-13A | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-13B | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-13C | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-13D | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | TS(7) |
| L1820814-13E | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-13F | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-13G | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

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***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

## *Container Information*

| *Container ID* | *Container Type* | *Cooler* | *Initial pH* | *Final pH* | *Temp deg C* | *Pres* | *Seal* | *Frozen Date/Time* | *Analysis(*)* |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-13X | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-13Y | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | NYTCL-8260HLW(14) |
| L1820814-13Z | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | NYTCL-8260HLW(14) |
| L1820814-14A | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-14B | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-14C | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-14D | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | TS(7) |
| L1820814-14E | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-14F | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-14G | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-14X | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-14Y | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | NYTCL-8260HLW(14) |
| L1820814-14Z | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | NYTCL-8260HLW(14) |
| L1820814-15A | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-15B | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-15C | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-15D | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | TS(7) |
| L1820814-15E | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-15F | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-15G | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

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***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

## *Container Information*

| *Container ID* | *Container Type* | *Cooler* | *Initial pH* | *Final pH* | *Temp deg C* | *Pres* | *Seal* | *Frozen Date/Time* | *Analysis(*)* |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-15X | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-15Y | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | NYTCL-8260HLW(14) |
| L1820814-15Z | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | NYTCL-8260HLW(14) |
| L1820814-16A | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-16B | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-16C | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-16D | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | TS(7) |
| L1820814-16E | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-16F | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-16G | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-16X | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-16Y | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | NYTCL-8260HLW(14) |
| L1820814-16Z | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | NYTCL-8260HLW(14) |
| L1820814-17A | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-17B | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-17C | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-17D | Plastic 2oz unpreserved for TS | I | NA | | 2.1 | Y | Absent | | TS(7) |
| L1820814-17E | Metals Only-Glass 60mL/2oz unpreserved | I | NA | | 2.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-17F | Glass 120ml/4oz unpreserved | I | NA | | 2.1 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-17G | Glass 500ml/16oz unpreserved | I | NA | | 2.1 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

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## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-17X | Vial MeOH preserved split | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-17Y | Vial Water preserved split | I | NA | | 2.1 | Y | Absent | 06-JUN-18 06:37 | NYTCL-8260HLW(14) |
| L1820814-17Z | Vial Water preserved split | I | NA | | 2.1 | Y | Absent | 06-JUN-18 06:37 | NYTCL-8260HLW(14) |
| L1820814-18A | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-18B | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-18C | 5 gram Encore Sampler | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-18D | Plastic 2oz unpreserved for TS | I | NA | | 2.1 | Y | Absent | | TS(7) |
| L1820814-18E | Metals Only-Glass 60mL/2oz unpreserved | I | NA | | 2.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-18F | Glass 120ml/4oz unpreserved | I | NA | | 2.1 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-18G | Glass 500ml/16oz unpreserved | I | NA | | 2.1 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-18X | Vial MeOH preserved split | I | NA | | 2.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-18Y | Vial Water preserved split | I | NA | | 2.1 | Y | Absent | 06-JUN-18 06:37 | NYTCL-8260HLW(14) |
| L1820814-18Z | Vial Water preserved split | I | NA | | 2.1 | Y | Absent | 06-JUN-18 06:37 | NYTCL-8260HLW(14) |
| L1820814-19A | Vial HCl preserved | D | NA | | 2.7 | Y | Absent | | NYTCL-8260(14) |
| L1820814-19B | Vial HCl preserved | D | NA | | 2.7 | Y | Absent | | NYTCL-8260(14) |
| L1820814-19C | Vial HCl preserved | D | NA | | 2.7 | Y | Absent | | NYTCL-8260(14) |
| L1820814-19D | Plastic 250ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | HEXCR-7196(1) |
| L1820814-19E | Plastic 250ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | - |
| L1820814-19F | Plastic 250ml HNO3 preserved | D | <2 | <2 | 2.7 | Y | Absent | | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1820814-19G | Plastic 250ml NaOH preserved | D | >12 | >12 | 2.7 | Y | Absent | | TCN-9010(14) |



*Values in parentheses indicate holding time in days

TRIAL MODE - Click here for more information



**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-19H | Amber 120ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8081(7) |
| L1820814-19I | Amber 120ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8081(7) |
| L1820814-19J | Amber 500ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-19K | Amber 500ml unpreserved | D | NA | | 2.7 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-19L | Plastic 250ml Trizma preserved | D | 7 | 7 | 2.7 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-19L1 | Plastic 250ml Trizma preserved | D | NA | | 2.7 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-19L2 | Plastic 250ml Trizma preserved | D | NA | | 2.7 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-19M | Amber 1000ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-19N | Amber 1000ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-19O | Amber 1000ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | HERB-APA(7) |
| L1820814-19P | Amber 1000ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | HERB-APA(7) |
| L1820814-19Q | Amber 1000ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-19R | Amber 1000ml unpreserved | D | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-19X | Plastic 250ml HNO3 preserved Filtrates | D | NA | | 2.7 | Y | Absent | | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1820814-20A | Vial HCl preserved | K | NA | | 4.8 | Y | Absent | | NYTCL-8260(14) |
| L1820814-20A1 | Vial HCl preserved | F | NA | | 5.5 | Y | Absent | | NYTCL-8260(14) |
| L1820814-20A2 | Vial HCl preserved | H | NA | | 4.3 | Y | Absent | | NYTCL-8260(14) |
| L1820814-20B | Vial HCl preserved | K | NA | | 4.8 | Y | Absent | | NYTCL-8260(14) |
| L1820814-20B1 | Vial HCl preserved | F | NA | | 5.5 | Y | Absent | | NYTCL-8260(14) |
| L1820814-20B2 | Vial HCl preserved | H | NA | | 4.3 | Y | Absent | | NYTCL-8260(14) |
| L1820814-20C | Vial HCl preserved | K | NA | | 4.8 | Y | Absent | | NYTCL-8260(14) |
| L1820814-20C1 | Vial HCl preserved | F | NA | | 5.5 | Y | Absent | | NYTCL-8260(14) |
| L1820814-20C2 | Vial HCl preserved | H | NA | | 4.3 | Y | Absent | | NYTCL-8260(14) |
| L1820814-20D | Plastic 250ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | HEXCR-7196(1) |



*Values in parentheses indicate holding time in days

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## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-20D1 | Plastic 250ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HEXCR-7196(1) |
| L1820814-20D2 | Plastic 250ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HEXCR-7196(1) |
| L1820814-20E | Plastic 250ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | - |
| L1820814-20E1 | Plastic 250ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | - |
| L1820814-20E2 | Plastic 250ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | - |
| L1820814-20F | Plastic 250ml HNO3 preserved | K | <2 | <2 | 4.8 | Y | Absent | | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1820814-20F1 | Plastic 250ml HNO3 preserved | F | <2 | <2 | 5.5 | Y | Absent | | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1820814-20F2 | Plastic 250ml HNO3 preserved | H | <2 | <2 | 4.3 | Y | Absent | | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1820814-20G | Plastic 250ml NaOH preserved | K | >12 | >12 | 4.8 | Y | Absent | | TCN-9010(14) |
| L1820814-20G1 | Plastic 250ml NaOH preserved | F | >12 | >12 | 5.5 | Y | Absent | | TCN-9010(14) |
| L1820814-20G2 | Plastic 250ml NaOH preserved | H | >12 | >12 | 4.3 | Y | Absent | | TCN-9010(14) |
| L1820814-20H | Amber 120ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | NYTCL-8081(7) |
| L1820814-20H1 | Amber 120ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | NYTCL-8081(7) |
| L1820814-20H2 | Amber 120ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | NYTCL-8081(7) |
| L1820814-20I | Amber 120ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | NYTCL-8081(7) |
| L1820814-20I1 | Amber 120ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | NYTCL-8081(7) |



*Values in parentheses indicate holding time in days

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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-20I2 | Amber 120ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | NYTCL-8081(7) |
| L1820814-20J | Amber 500ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-20J1 | Amber 500ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-20J2 | Amber 500ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-20K | Amber 500ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-20K1 | Amber 500ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-20K2 | Amber 500ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-20L | Plastic 250ml Trizma preserved | K | NA | | 4.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-20L1 | Plastic 250ml Trizma preserved | K | NA | | 4.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-20L2 | Plastic 250ml Trizma preserved | K | NA | | 4.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-20L3 | Plastic 250ml Trizma preserved | K | NA | | 4.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-20L4 | Plastic 250ml Trizma preserved | K | NA | | 4.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-20L5 | Plastic 250ml Trizma preserved | K | NA | | 4.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-20L6 | Plastic 250ml Trizma preserved | K | NA | | 4.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-20L7 | Plastic 250ml Trizma preserved | K | NA | | 4.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-20L8 | Plastic 250ml Trizma preserved | K | NA | | 4.8 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-20M | Amber 1000ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-20M1 | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-20M2 | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-20N | Amber 1000ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-20N1 | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-20N2 | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-20O | Amber 1000ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | HERB-APA(7) |
| L1820814-20O1 | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HERB-APA(7) |
| L1820814-20O2 | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HERB-APA(7) |
| L1820814-20P | Amber 1000ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | HERB-APA(7) |
| L1820814-20P1 | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HERB-APA(7) |
| L1820814-20P2 | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HERB-APA(7) |



*Values in parentheses indicate holding time in days

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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-20Q | Amber 1000ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-20Q1 | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-20Q2 | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-20R | Amber 1000ml unpreserved | K | 7 | 7 | 4.8 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-20R1 | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-20R2 | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-20X | Plastic 250ml HNO3 preserved Filtrates | K | NA | | 4.8 | Y | Absent | | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1820814-20X1 | Plastic 250ml HNO3 preserved Filtrates | F | NA | | 5.5 | Y | Absent | | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1820814-20X2 | Plastic 250ml HNO3 preserved Filtrates | H | NA | | 4.3 | Y | Absent | | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1820814-21A | Vial HCl preserved | L | NA | | 2.1 | Y | Absent | | NYTCL-8260(14) |
| L1820814-21B | Vial HCl preserved | L | NA | | 2.1 | Y | Absent | | NYTCL-8260(14) |
| L1820814-21C | Vial HCl preserved | L | NA | | 2.1 | Y | Absent | | NYTCL-8260(14) |
| L1820814-21D | Plastic 250ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | HEXCR-7196(1) |
| L1820814-21E | Plastic 250ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | - |



*Values in parentheses indicate holding time in days

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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-21F | Plastic 250ml HNO3 preserved | L | 7 | 7 | 2.1 | Y | Absent | | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1820814-21G | Plastic 250ml NaOH preserved | L | >12 | >12 | 2.1 | Y | Absent | | TCN-9010(14) |
| L1820814-21H | Amber 120ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | NYTCL-8081(7) |
| L1820814-21I | Amber 120ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | NYTCL-8081(7) |
| L1820814-21J | Amber 500ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-21K | Amber 500ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-21L | Plastic 250ml Trizma preserved | L | 7 | 7 | 2.1 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-21L1 | Plastic 250ml Trizma preserved | L | NA | | 2.1 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-21L2 | Plastic 250ml Trizma preserved | L | NA | | 2.1 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-21M | Amber 1000ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-21N | Amber 1000ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-21O | Amber 1000ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | HERB-APA(7) |
| L1820814-21P | Amber 1000ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | HERB-APA(7) |
| L1820814-21Q | Amber 1000ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-21R | Amber 1000ml unpreserved | L | 7 | 7 | 2.1 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-21X | Plastic 250ml HNO3 preserved Filtrates | L | NA | | 2.1 | Y | Absent | | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1820814-22A | Vial HCl preserved | L | NA | | 2.1 | Y | Absent | | NYTCL-8260(14) |
| L1820814-22B | Vial HCl preserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8260(14) |
| L1820814-22C | Vial HCl preserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8260(14) |
| L1820814-22D | Plastic 250ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | HEXCR-7196(1) |



*Values in parentheses indicate holding time in days

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***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

## *Container Information*

| *Container ID* | *Container Type* | *Cooler* | *Initial pH* | *Final pH* | *Temp deg C* | *Pres* | *Seal* | *Frozen Date/Time* | *Analysis(*)* |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-22E | Plastic 250ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | - |
| L1820814-22F | Plastic 250ml HNO3 preserved | A | <2 | <2 | 3.1 | Y | Absent | | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1820814-22G | Plastic 250ml NaOH preserved | A | >12 | >12 | 3.1 | Y | Absent | | TCN-9010(14) |
| L1820814-22H | Amber 120ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8081(7) |
| L1820814-22I | Amber 120ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8081(7) |
| L1820814-22J | Amber 500ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-22K | Amber 500ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1820814-22L | Plastic 250ml Trizma preserved | A | 7 | 7 | 3.1 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-22L1 | Plastic 250ml Trizma preserved | A | NA | | 3.1 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-22L2 | Plastic 250ml Trizma preserved | A | NA | | 3.1 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1820814-22M | Amber 1000ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-22N | Amber 1000ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1820814-22O | Amber 1000ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | HERB-APA(7) |
| L1820814-22P | Amber 1000ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | HERB-APA(7) |
| L1820814-22Q | Amber 1000ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-22R | Amber 1000ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-22X | Plastic 250ml HNO3 preserved Filtrates | A | NA | | 3.1 | Y | Absent | | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1820814-23A | Vial HCl preserved | F | NA | | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23B | Vial HCl preserved | F | NA | | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23C | Vial HCl preserved | F | NA | | 5.5 | Y | Absent | | HOLD(14) |



*Values in parentheses indicate holding time in days

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***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

## *Container Information*

| *Container ID* | *Container Type* | *Cooler* | *Initial pH* | *Final pH* | *Temp deg C* | *Pres* | *Seal* | *Frozen Date/Time* | *Analysis(*)* |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-23D | Plastic 250ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23E | Plastic 250ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23F | Plastic 250ml HNO3 preserved | F | <2 | <2 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23G | Plastic 250ml NaOH preserved | F | >12 | >12 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23H | Amber 120ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23I | Amber 120ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23J | Amber 500ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23K | Amber 500ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23L | Plastic 250ml Trizma preserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23L1 | Plastic 250ml Trizma preserved | F | NA | | 5.5 | Y | Absent | | - |
| L1820814-23L2 | Plastic 250ml Trizma preserved | F | NA | | 5.5 | Y | Absent | | - |
| L1820814-23M | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23N | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23O | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23P | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-23Q | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | - |
| L1820814-23R | Amber 1000ml unpreserved | F | 7 | 7 | 5.5 | Y | Absent | | HOLD(14) |
| L1820814-24A | Vial HCl preserved | H | NA | | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24B | Vial HCl preserved | H | NA | | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24C | Vial HCl preserved | H | NA | | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24D | Plastic 250ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24E | Plastic 250ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24F | Plastic 250ml HNO3 preserved | H | <2 | <2 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24G | Plastic 250ml NaOH preserved | H | >12 | >12 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24H | Amber 120ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24I | Amber 120ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24J | Amber 500ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24K | Amber 500ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |



*Values in parentheses indicate holding time in days

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***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

## *Container Information*

| *Container ID* | *Container Type* | *Cooler* | *Initial pH* | *Final pH* | *Temp deg C* | *Pres* | *Seal* | *Frozen Date/Time* | *Analysis(*)* |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-24L | Plastic 250ml Trizma preserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24L1 | Plastic 250ml Trizma preserved | H | NA | | 4.3 | Y | Absent | | - |
| L1820814-24L2 | Plastic 250ml Trizma preserved | H | NA | | 4.3 | Y | Absent | | - |
| L1820814-24M | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24N | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24O | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24P | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-24Q | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | - |
| L1820814-24R | Amber 1000ml unpreserved | H | 7 | 7 | 4.3 | Y | Absent | | HOLD(14) |
| L1820814-25A | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-25B | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-25C | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-25D | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-25E | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | - |
| L1820814-25F | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-25G | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-25X | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-25Y | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | HOLD() |
| L1820814-25Z | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | HOLD() |
| L1820814-26A | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-26B | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-26C | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-26D | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-26E | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | - |
| L1820814-26F | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-26G | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-26X | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-26Y | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | HOLD() |



*Values in parentheses indicate holding time in days

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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-26Z | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | HOLD() |
| L1820814-27A | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-27B | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-27C | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-27D | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-27E | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-27F | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-27G | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-27X | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-27Y | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | HOLD() |
| L1820814-27Z | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | HOLD() |
| L1820814-28A | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-28B | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-28C | 5 gram Encore Sampler | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-28D | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-28E | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | - |
| L1820814-28F | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-28G | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-28X | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | HOLD() |
| L1820814-28Y | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | HOLD() |
| L1820814-28Z | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | 06-JUN-18 08:30 | HOLD() |
| L1820814-29A | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-29B | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-29C | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-29D | Plastic 2oz unpreserved for TS | G | NA | | 2.6 | Y | Absent | | TS(7) |
| L1820814-29E | Metals Only-Glass 60mL/2oz unpreserved | G | NA | | 2.6 | Y | Absent | | - |
| L1820814-29F | Glass 120ml/4oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-29G | Glass 500ml/16oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

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***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

## *Container Information*

| *Container ID* | *Container Type* | *Cooler* | *Initial pH* | *Final pH* | *Temp deg C* | *Pres* | *Seal* | *Frozen Date/Time* | *Analysis(*)* |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-29X | Vial MeOH preserved split | G | NA | | 2.6 | Y | Absent | | NYTCL-8260HLW(14) |
| L1820814-29Y | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 06:37 | NYTCL-8260HLW(14) |
| L1820814-29Z | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 06:37 | NYTCL-8260HLW(14) |
| L1820814-30A | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-30B | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-30C | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-30D | Plastic 2oz unpreserved for TS | G | NA | | 2.6 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-30E | Metals Only-Glass 60mL/2oz unpreserved | G | NA | | 2.6 | Y | Absent | | HOLD-METAL(180) |
| L1820814-30F | Glass 120ml/4oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-30G | Glass 500ml/16oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-30X | Vial MeOH preserved split | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-30Y | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 08:30 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-30Z | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 08:30 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-31A | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-31B | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-31C | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-31D | Plastic 2oz unpreserved for TS | G | NA | | 2.6 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-31E | Metals Only-Glass 60mL/2oz unpreserved | G | NA | | 2.6 | Y | Absent | | HOLD-METAL(180) |
| L1820814-31F | Glass 120ml/4oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-31G | Glass 500ml/16oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-31X | Vial MeOH preserved split | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-31Y | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 08:30 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-31Z | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 08:30 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-32A | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-32B | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |



*Values in parentheses indicate holding time in days

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***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-32C | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-32D | Plastic 2oz unpreserved for TS | G | NA | | 2.6 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-32E | Metals Only-Glass 60mL/2oz unpreserved | G | NA | | 2.6 | Y | Absent | | HOLD-METAL(180) |
| L1820814-32F | Glass 120ml/4oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-32G | Glass 500ml/16oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-32X | Vial MeOH preserved split | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-32Y | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 08:30 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-32Z | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 08:30 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-33A | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-33B | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-33C | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-33D | Plastic 2oz unpreserved for TS | G | NA | | 2.6 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-33E | Metals Only-Glass 60mL/2oz unpreserved | G | NA | | 2.6 | Y | Absent | | HOLD-METAL(180) |
| L1820814-33F | Glass 120ml/4oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-33G | Glass 500ml/16oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-33X | Vial MeOH preserved split | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-33Y | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 07:07 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-33Z | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 07:07 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-34A | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-34B | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-34C | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-34D | Plastic 2oz unpreserved for TS | G | NA | | 2.6 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-34E | Metals Only-Glass 60mL/2oz unpreserved | G | NA | | 2.6 | Y | Absent | | HOLD-METAL(180) |
| L1820814-34F | Glass 120ml/4oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

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## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-34G | Glass 500ml/16oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-34X | Vial MeOH preserved split | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-34Y | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 07:07 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-34Z | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 07:07 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35A | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35B | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35C | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35D | Plastic 2oz unpreserved for TS | G | NA | | 2.6 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-35D1 | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-35D2 | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-35E | Metals Only-Glass 60mL/2oz unpreserved | G | NA | | 2.6 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),HOLD-METAL(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-35E1 | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),HOLD-METAL(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-35E2 | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),HOLD-METAL(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-35F | Glass 120ml/4oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-35F1 | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-35F2 | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |



*Values in parentheses indicate holding time in days

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***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

## *Container Information*

| *Container ID* | *Container Type* | *Cooler* | *Initial pH* | *Final pH* | *Temp deg C* | *Pres* | *Seal* | *Frozen Date/Time* | *Analysis(*)* |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-35G | Glass 500ml/16oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-35G1 | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-35G2 | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-35X | Vial MeOH preserved split | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35X1 | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35X2 | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35Y | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 08:30 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35Y1 | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | **07-JUN-18 02:48** | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35Y2 | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | **07-JUN-18 02:48** | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35Z | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 08:30 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35Z1 | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | **07-JUN-18 02:48** | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-35Z2 | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | **07-JUN-18 02:48** | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36A | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36B | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36C | 5 gram Encore Sampler | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36D | Plastic 2oz unpreserved for TS | G | NA | | 2.6 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-36D1 | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-36D2 | Plastic 2oz unpreserved for TS | E | NA | | 4.3 | Y | Absent | | HOLD-WETCHEM(),TS(7) |
| L1820814-36E | Metals Only-Glass 60mL/2oz unpreserved | G | NA | | 2.6 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),HOLD-METAL(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-36E1 | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),HOLD-METAL(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |



*Values in parentheses indicate holding time in days

TRIAL MODE - Click here for more information



**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-36E2 | Metals Only-Glass 60mL/2oz unpreserved | E | NA | | 4.3 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),HOLD-METAL(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1820814-36F | Glass 120ml/4oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-36F1 | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-36F2 | Glass 120ml/4oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-36G | Glass 500ml/16oz unpreserved | G | NA | | 2.6 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-36G1 | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-36G2 | Glass 500ml/16oz unpreserved | E | NA | | 4.3 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),HERB-APA(14),HOLD-8081(14),HOLD-8270(14),NYTCL-8082(14),HEXCR-7196(30) |
| L1820814-36X | Vial MeOH preserved split | G | NA | | 2.6 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36X1 | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36X2 | Vial MeOH preserved split | E | NA | | 4.3 | Y | Absent | | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36Y | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 08:30 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36Y1 | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | **07-JUN-18 02:48** | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36Y2 | Vial water preserved | E | NA | | 4.3 | Y | Absent | **07-JUN-18 02:48** | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36Z | Vial Water preserved split | G | NA | | 2.6 | Y | Absent | 06-JUN-18 08:30 | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36Z1 | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | **07-JUN-18 02:48** | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-36Z2 | Vial Water preserved split | E | NA | | 4.3 | Y | Absent | **07-JUN-18 02:48** | HOLD-8260HLW(14),NYTCL-8260HLW(14) |
| L1820814-37A | Plastic 250ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HEXCR-7196(1) |
| L1820814-37B | Plastic 250ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-METAL-DISSOLVED(180) |
| L1820814-37C | Plastic 250ml HNO3 preserved | B | <2 | <2 | 4.2 | Y | Absent | | HOLD-METAL-TOTAL(180) |
| L1820814-37D | Plastic 250ml NaOH preserved | B | >12 | >12 | 4.2 | Y | Absent | | HOLD-WETCHEM() |



*Values in parentheses indicate holding time in days

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***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820814
***Report Date:*** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-37E | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-37E1 | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-37E2 | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-37E3 | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-37E4 | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-37E5 | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-37F | Amber 120ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8081(7) |
| L1820814-37G | Amber 120ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | TCN-9010(14),HOLD-8081(7) |
| L1820814-37H | Amber 500ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | NYTCL-8081(7),A2-1,4-DIOXANE-SIM(7),HOLD-1,4DIOX(7) |
| L1820814-37I | Amber 500ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | NYTCL-8081(7),A2-1,4-DIOXANE-SIM(7),HOLD-1,4DIOX(7) |
| L1820814-37J | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8270(7) |
| L1820814-37K | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8270(7) |
| L1820814-37L | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8270(7) |
| L1820814-37M | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8270(7) |
| L1820814-37O | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HERB-APA(7),HOLD-8082() |
| L1820814-37P | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HERB-APA(7),HOLD-8082() |
| L1820814-37Q | Amber 1000ml unpreserved | B | NA | | 4.2 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-37R | Amber 1000ml unpreserved | B | NA | | 4.2 | Y | Absent | | NYTCL-8082-1200ML(7) |
| L1820814-37X | Plastic 120ml HNO3 preserved Filtrates | NA | NA | | | Y | Absent | | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1820814-38A | Vial unpreserved | B | NA | | 4.2 | Y | Absent | | HOLD-8260(14),NYTCL-8260(7) |
| L1820814-38B | Vial unpreserved | B | NA | | 4.2 | Y | Absent | | HOLD-8260(14),NYTCL-8260(7) |
| L1820814-38C | Vial unpreserved | B | NA | | 4.2 | Y | Absent | | HOLD-8260(14),NYTCL-8260(7) |
| L1820814-38C1 | Vial unpreserved | B | NA | | 4.2 | Y | Absent | | HOLD-8260(14) |
| L1820814-38D | Plastic 250ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HEXCR-7196(1) |



*Values in parentheses indicate holding time in days

TRIAL MODE - Click here for more information



**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820814
**Report Date:** 06/18/18

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820814-38E | Plastic 250ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-METAL-DISSOLVED(180) |
| L1820814-38F | Plastic 250ml HNO3 preserved | B | <2 | <2 | 4.2 | Y | Absent | | HOLD-METAL-TOTAL(180) |
| L1820814-38G | Plastic 250ml NaOH preserved | B | >12 | >12 | 4.2 | Y | Absent | | TCN-9010(14),HOLD-WETCHEM() |
| L1820814-38H | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14),NYTCL-8081(7) |
| L1820814-38H1 | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-38H2 | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-38H3 | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-38H4 | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-38H5 | Plastic 250ml Trizma preserved | B | NA | | 4.2 | Y | Absent | | HOLD-537(14),A2-NY-537-ISOTOPE(14) |
| L1820814-38I | Amber 120ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8081(7),NYTCL-8081(7) |
| L1820814-38J | Amber 120ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8081(7) |
| L1820814-38K | Amber 500ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | A2-1,4-DIOXANE-SIM(7),HOLD-1,4DIOX(7) |
| L1820814-38L | Amber 500ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | A2-1,4-DIOXANE-SIM(7),HOLD-1,4DIOX(7) |
| L1820814-38M | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8270(7) |
| L1820814-38N | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8270(7) |
| L1820814-38O | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8270(7),HERB-APA(7) |
| L1820814-38P | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8270(7),HERB-APA(7) |
| L1820814-38Q | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8082(),NYTCL-8082-1200ML(7) |
| L1820814-38R | Amber 1000ml unpreserved | B | 7 | 7 | 4.2 | Y | Absent | | HOLD-8082(),NYTCL-8082-1200ML(7) |
| L1820814-38X | Plastic 120ml HNO3 preserved Filtrates | NA | NA | | | Y | Absent | | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1820814-39A | Vial HCl preserved | B | NA | | 4.2 | Y | Absent | | NYTCL-8260(14),ARCHIVE() |
| L1820814-39B | Vial HCl preserved | B | NA | | 4.2 | Y | Absent | | NYTCL-8260(14),ARCHIVE() |



*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE. | **Lab Number:** | L1820814 |
| **Project Number:** | 17-310 | **Report Date:** | 06/18/18 |

# GLOSSARY

### *Acronyms*

| | |
|---|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

### *Footnotes*

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

### *Terms*

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

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

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

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

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

### *Data Qualifiers*

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

*Report Format:* DU Report with 'J' Qualifiers



TRIAL MODE - Click here for more information

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE. | **Lab Number:** | L1820814 |
| **Project Number:** | 17-310 | **Report Date:** | 06/18/18 |

***Data Qualifiers***

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The lower value for the two columns has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

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

**ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

*Report Format:* DU Report with 'J' Qualifiers



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820814
**Report Date:** 06/18/18

## REFERENCES


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

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

122 Determination of Selected Perfluorintated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.


## LIMITATION OF LIABILITIES

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

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



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# Certification Information

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

**Westborough Facility**
**EPA 624:** m/p-xylene, o-xylene
**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
**EPA 8270D:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
**EPA 300:** DW: Bromide
**EPA 6860:** SCM: Perchlorate
**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation
**SM4500**: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

**Mansfield Facility**
**SM 2540D:** TSS
**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:**

***Drinking Water***
**EPA 300.0**: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
**EPA 332**: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

***Non-Potable Water***
**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
**EPA 624**: Volatile Halocarbons & Aromatics,
**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

**Mansfield Facility:**

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

***Non-Potable Water***
**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
**EPA 245.1** Hg.
**SM2340B**

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


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# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 4

Date Rec'd in Lab: 6/6/18

ALPHA Job #: L1820814

## Client Information

Client: Laurel Environmental Associates
Address: 53 West Hills Rd, Suite 1
Huntington Sta., NY 11746
Phone: (631) 673-0612
Fax:
Email: Labresults@laurelenv.com

## Project Information

Project Name: 480 Flushing Ave
Project Location: 480 Flushing Ave, Brooklyn
Project # 17-310
(Use Project name as Project #)
Project Manager: Ken Wentz
ALPHAQuote #:

## Turn-Around Time

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

## Deliverables

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

## Billing Information

☑ Same as Client Info
PO # ~~17-310~~ ~~17-310/TB.~~ TB. 17-310/KW

## Regulatory Requirement

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

## Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

## ANALYSIS

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

Total Bottle

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | SM 2540 | TCL VOCs EPA 8260C | EPA 8270D | EPA 8081B and 8151A | EPA 7196 | SM 4500 | EPA 8082A | 6020/Hg | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20814-01 | SB-1A | 6/4/18 | 1345 | Soil | J.B. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| -02 | SB-2A | 6/5/18 | 1505 | | | | | | | | | | | |
| -03 | SB-3A | 6/5/18 | 1055 | | | | | | | | | | | |
| -04 | SB-4A | 6/4/18 | 0945 | | | | | | | | | | | |
| -05 | SB-5A | 6/5/18 | 1140 | | | | | | | | | | | |
| -06 | SB-6A | ↓ | 1400 | | | | | | | | | | | |
| -07 | SB-7A | 6/4/18 | 1210 | | | | | | | | | | | |
| -08 | SB-8A | 6/5/18 | 1825 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| -25 | MS-1 | ↓ | 0813 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| -26 | MSD-2 | | 0842 | | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |

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

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

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

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | | | | | | | | | | | | | | |
| Preservative | | | | | | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/5/18 1830 | Lorel Jackson AAL | 6/5 1830 |
| | 6/5 1955 | | |
| | 6/6 0715 | | 6/6/18 700 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

TRIAL MODE - Click here for more information



# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 2 of 4

Date Rec'd in Lab: 6/6/18

ALPHA Job #: L1820814

## Client Information

Client: Laurel Environmental Assoc.
Address: 53 West Hills Rd, Suite 1
Huntington Sta, NY 11746
Phone: (631) 673-0612
Fax:
Email: Labreports@laurelenv.com

## Project Information

Project Name: 480 Flushing Ave
Project Location: 480 Flushing Ave, Brooklyn
Project #: 17-310
(Use Project name as Project #)
Project Manager: Ken Wentz
ALPHAQuote #:

## Turn-Around Time

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

## Deliverables

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

## Regulatory Requirement

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

## Billing Information

☑ Same as Client Info
PO # 17-310/KW

## Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

## ANALYSIS

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

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | SM 2540 | EPA 8260C | EPA 8270D | EPA 8081B and 8151A | EPA 7196 | SM4500 | EPA 8082A | 6020/Hg | Total Bottle | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20814-09 | SB-1B | 6/4/18 | 1350 | Soil | JB | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| -10 | SB-2B | 6/5/18 | 1515 | | | | | | | | | | | | |
| -11 | SB-3B | ↓ | 1110 | | | | | | | | | | | | |
| -12 | SB-4B | 6/4/18 | 1010 | | | | | | | | | | | | |
| -13 | SB-5B | 6/5/18 | 1150 | | | | | | | | | | | | |
| -14 | SB-6B | ↓ | 1410 | | | | | | | | | | | | |
| -15 | SB-7B | 6/4/18 | 1215 | | | | | | | | | | | | |
| -16 | SB-8B | 6/5/18 | 1230 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |
| -17 | DUP-1 | 6/5/18 | 0733 | | SC | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |
| -18 | DUP-2 | 6/5/18 | 0754 | ↓ | SC | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |

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

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

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Container Type | | | | | | | | | |
| Preservative | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 6/5/18 1630 | Ramell Jackson AAL | 6/5 1630 |
| [signature] 6/6 | 6/5 1953 | [signature] 6/5 | [signature] |
| | | [signature] | 6/6 1130 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

TRIAL MODE - Click here for more information



# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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FAX: 508-898-9193

Mansfield, MA 02048
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Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 4

Date Rec'd in Lab: 6/6/18

ALPHA Job #: L1820814

**Client Information**
Client: Laurel Environmental Assoc
Address: 53 West Hills Rd, Suite 1 Huntington Sta., NY 11746
Phone: (631) 673 0612
Fax:
Email: Labresults@laurelenv.com

**Project Information**
Project Name: 480 Flushing Ave
Project Location: 480 Flushing Ave, Brooklyn, NY
Project #: 17-310
(Use Project name as Project #)
Project Manager: Ken Wenz
ALPHAQuote #:

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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

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

**Billing Information**
☑ Same as Client Info
PO # 17-310/KW

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

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

Total Bottle

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | SW 8270D | EPA 8260C | EPA 8270D | EPA 8081B pest | EPA 7196 | SW 4500 | EPA 8082A | 6020/Hg | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -27 | MSD-1 | 6/5/18 | 1605 | Soil | JB | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| -28 | MS-2 | ↓ | 1615 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| | | | | | | | | | | | | | | |
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Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

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

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

| Container Type | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Preservative | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/5/18 1630 | | 6/5 1630 |
| | 6/5 1955 | | 6/5 |
| | 6/6 | | 6/6/18 0200 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

TRIAL MODE - Click here for more information



# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 4

Date Rec'd in Lab: 6/6/18

ALPHA Job #: L1820814

## Client Information

Client: ~~53 West~~ Laurel Env. Ass.
Address: 53 West Hills Rd, Suite 1
Huntington Sta, NY 11746
Phone: (631)673-0612
Fax:
Email: Labresults@laurelenv.com

## Project Information

Project Name: 480 ~~Broadway~~ Flushing Ave
Project Location: 480 Flushing Ave, Brooklyn NY
Project #: 17-310
(Use Project name as Project #)
Project Manager: Ken Wentz
ALPHAQuote #:

## Turn-Around Time

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

## Deliverables

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

## Regulatory Requirement

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

## Billing Information

☑ Same as Client Info
PO # 17-310/KW

## Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☑ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

## ANALYSIS

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | EPA 8260C and 624.1D | EPA 8270D-SIM | EPA 537 | EPA 8081B and 8151A | EPA 7196 (Hex Cr) | SM 4500 (Cyanide) | EPA 8082A | Total Target 10 PCB Aroclors | Sample Filtration | Total Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20814-19 | MW-A | 6/5/18 | | GW | OB | | | | | | | | | | |
| -20 | MW-B | | | | | | | | | | | | | | |
| -21 | MW-C | | | | | | | | | | | | | | |
| -22 | GW-DUP | | | | | | | | | | | | | | |
| -23 | GW-MS | | | | | | | | | | | | | | |
| -24 | GW-MSD | | | | | | | | | | | | | | |

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

Sample Specific Comments

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

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

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

Container Type
Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 6/5/18 16:55 | Pamela Jackson ALL | 6/5 1655 |
| 6/6 | 6/5 1755 | | 6/6/18 2:00 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1820823 |
| Client: | Laurel Environmental Associates, LTD<br>53 West Hills Road<br>Suite 1<br>Huntington Station, NY 11746 |
| ATTN: | Ken Wenz |
| Phone: | (631) 673-0612 |
| Project Name: | 480 FLUSHING AVE. |
| Project Number: | 17-310 |
| Report Date: | 06/12/18 |

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L1820823-01 | SV-1 | SOIL_VAPOR | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 14:20 | 06/05/18 |
| L1820823-02 | SV-2 | SOIL_VAPOR | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 13:50 | 06/05/18 |
| L1820823-03 | SV-3 | SOIL_VAPOR | 480 FLUSHING AVE., BROOKLYN, NY | 06/04/18 13:52 | 06/05/18 |

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

**Case Narrative (continued)**

Volatile Organics in Air

Canisters were released from the laboratory on May 31, 2018. The canister certification results are provided as an addendum.

L1820823-01 through -03: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L1820823-01 results for Acetone should be considered estimated due to co-elution with a non-target peak.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 06/12/18



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# AIR



TRIAL MODE - Click here for more information

***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820823
***Report Date:*** 06/12/18

## *SAMPLE RESULTS*

Lab ID: L1820823-01 D
Client ID: SV-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 14:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/10/18 08:42
Analyst: MB

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.500 | -- | ND | 2.47 | -- | | 2.5 |
| Chloromethane | 1.69 | 0.500 | -- | 3.49 | 1.03 | -- | | 2.5 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.500 | -- | ND | 3.49 | -- | | 2.5 |
| Vinyl chloride | 3.04 | 0.500 | -- | 7.77 | 1.28 | -- | | 2.5 |
| 1,3-Butadiene | 56.3 | 0.500 | -- | 125 | 1.11 | -- | | 2.5 |
| Bromomethane | ND | 0.500 | -- | ND | 1.94 | -- | | 2.5 |
| Chloroethane | 0.560 | 0.500 | -- | 1.48 | 1.32 | -- | | 2.5 |
| Ethyl Alcohol | 184 | 12.5 | -- | 347 | 23.6 | -- | | 2.5 |
| Vinyl bromide | ND | 0.500 | -- | ND | 2.19 | -- | | 2.5 |
| Acetone | 104 | 2.50 | -- | 247 | 5.94 | -- | | 2.5 |
| Trichlorofluoromethane | 178 | 0.500 | -- | 1000 | 2.81 | -- | | 2.5 |
| iso-Propyl Alcohol | 2.44 | 1.25 | -- | 6.00 | 3.07 | -- | | 2.5 |
| 1,1-Dichloroethene | 6.23 | 0.500 | -- | 24.7 | 1.98 | -- | | 2.5 |
| tert-Butyl Alcohol | 3.67 | 1.25 | -- | 11.1 | 3.79 | -- | | 2.5 |
| Methylene chloride | 2.33 | 1.25 | -- | 8.09 | 4.34 | -- | | 2.5 |
| 3-Chloropropene | ND | 0.500 | -- | ND | 1.57 | -- | | 2.5 |
| Carbon disulfide | ND | 0.500 | -- | ND | 1.56 | -- | | 2.5 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 36.2 | 0.500 | -- | 277 | 3.83 | -- | | 2.5 |
| trans-1,2-Dichloroethene | ND | 0.500 | -- | ND | 1.98 | -- | | 2.5 |
| 1,1-Dichloroethane | 9.30 | 0.500 | -- | 37.6 | 2.02 | -- | | 2.5 |
| Methyl tert butyl ether | ND | 0.500 | -- | ND | 1.80 | -- | | 2.5 |
| 2-Butanone | 8.89 | 1.25 | -- | 26.2 | 3.69 | -- | | 2.5 |
| cis-1,2-Dichloroethene | 27.1 | 0.500 | -- | 107 | 1.98 | -- | | 2.5 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

## SAMPLE RESULTS

Lab ID: L1820823-01 D
Client ID: SV-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 14:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| Ethyl Acetate | ND | 1.25 | -- | ND | 4.50 | -- | | 2.5 |
| Chloroform | 0.825 | 0.500 | -- | 4.03 | 2.44 | -- | | 2.5 |
| Tetrahydrofuran | 6.02 | 1.25 | -- | 17.8 | 3.69 | -- | | 2.5 |
| 1,2-Dichloroethane | ND | 0.500 | -- | ND | 2.02 | -- | | 2.5 |
| n-Hexane | 5.07 | 0.500 | -- | 17.9 | 1.76 | -- | | 2.5 |
| 1,1,1-Trichloroethane | 134 | 0.500 | -- | 731 | 2.73 | -- | | 2.5 |
| Benzene | 1.69 | 0.500 | -- | 5.40 | 1.60 | -- | | 2.5 |
| Carbon tetrachloride | ND | 0.500 | -- | ND | 3.15 | -- | | 2.5 |
| Cyclohexane | 1.33 | 0.500 | -- | 4.58 | 1.72 | -- | | 2.5 |
| 1,2-Dichloropropane | ND | 0.500 | -- | ND | 2.31 | -- | | 2.5 |
| Bromodichloromethane | ND | 0.500 | -- | ND | 3.35 | -- | | 2.5 |
| 1,4-Dioxane | ND | 0.500 | -- | ND | 1.80 | -- | | 2.5 |
| Trichloroethene | 0.902 | 0.500 | -- | 4.85 | 2.69 | -- | | 2.5 |
| 2,2,4-Trimethylpentane | 2.60 | 0.500 | -- | 12.1 | 2.34 | -- | | 2.5 |
| Heptane | 1.08 | 0.500 | -- | 4.43 | 2.05 | -- | | 2.5 |
| cis-1,3-Dichloropropene | ND | 0.500 | -- | ND | 2.27 | -- | | 2.5 |
| 4-Methyl-2-pentanone | ND | 1.25 | -- | ND | 5.12 | -- | | 2.5 |
| trans-1,3-Dichloropropene | ND | 0.500 | -- | ND | 2.27 | -- | | 2.5 |
| 1,1,2-Trichloroethane | ND | 0.500 | -- | ND | 2.73 | -- | | 2.5 |
| Toluene | 7.10 | 0.500 | -- | 26.8 | 1.88 | -- | | 2.5 |
| 2-Hexanone | ND | 0.500 | -- | ND | 2.05 | -- | | 2.5 |
| Dibromochloromethane | ND | 0.500 | -- | ND | 4.26 | -- | | 2.5 |
| 1,2-Dibromoethane | ND | 0.500 | -- | ND | 3.84 | -- | | 2.5 |
| Tetrachloroethene | ND | 0.500 | -- | ND | 3.39 | -- | | 2.5 |
| Chlorobenzene | ND | 0.500 | -- | ND | 2.30 | -- | | 2.5 |
| Ethylbenzene | 2.15 | 0.500 | -- | 9.34 | 2.17 | -- | | 2.5 |



TRIAL MODE - Click here for more information

***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820823
***Report Date:*** 06/12/18

## *SAMPLE RESULTS*

Lab ID: L1820823-01 D
Client ID: SV-1
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 14:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| p/m-Xylene | 8.46 | 1.00 | -- | 36.7 | 4.34 | -- | | 2.5 |
| Bromoform | ND | 0.500 | -- | ND | 5.17 | -- | | 2.5 |
| Styrene | ND | 0.500 | -- | ND | 2.13 | -- | | 2.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.500 | -- | ND | 3.43 | -- | | 2.5 |
| o-Xylene | 3.10 | 0.500 | -- | 13.5 | 2.17 | -- | | 2.5 |
| 4-Ethyltoluene | 0.782 | 0.500 | -- | 3.84 | 2.46 | -- | | 2.5 |
| 1,3,5-Trimethylbenzene | 0.990 | 0.500 | -- | 4.87 | 2.46 | -- | | 2.5 |
| 1,2,4-Trimethylbenzene | 3.95 | 0.500 | -- | 19.4 | 2.46 | -- | | 2.5 |
| Benzyl chloride | ND | 0.500 | -- | ND | 2.59 | -- | | 2.5 |
| 1,3-Dichlorobenzene | 1.28 | 0.500 | -- | 7.70 | 3.01 | -- | | 2.5 |
| 1,4-Dichlorobenzene | ND | 0.500 | -- | ND | 3.01 | -- | | 2.5 |
| 1,2-Dichlorobenzene | ND | 0.500 | -- | ND | 3.01 | -- | | 2.5 |
| 1,2,4-Trichlorobenzene | ND | 0.500 | -- | ND | 3.71 | -- | | 2.5 |
| Hexachlorobutadiene | ND | 0.500 | -- | ND | 5.33 | -- | | 2.5 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 88 | | 60-140 |
| Bromochloromethane | 88 | | 60-140 |
| chlorobenzene-d5 | 83 | | 60-140 |



TRIAL MODE - Click here for more information

***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820823
***Report Date:*** 06/12/18

## *SAMPLE RESULTS*

Lab ID: L1820823-02 D
Client ID: SV-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/09/18 23:55
Analyst: MB

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 2.00 | -- | ND | 9.89 | -- | | 10 |
| Chloromethane | ND | 2.00 | -- | ND | 4.13 | -- | | 10 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.00 | -- | ND | 14.0 | -- | | 10 |
| Vinyl chloride | ND | 2.00 | -- | ND | 5.11 | -- | | 10 |
| 1,3-Butadiene | 20.6 | 2.00 | -- | 45.6 | 4.42 | -- | | 10 |
| Bromomethane | ND | 2.00 | -- | ND | 7.77 | -- | | 10 |
| Chloroethane | ND | 2.00 | -- | ND | 5.28 | -- | | 10 |
| Ethyl Alcohol | 163 | 50.0 | -- | 307 | 94.2 | -- | | 10 |
| Vinyl bromide | ND | 2.00 | -- | ND | 8.74 | -- | | 10 |
| Acetone | 241 | 10.0 | -- | 572 | 23.8 | -- | | 10 |
| Trichlorofluoromethane | 33.9 | 2.00 | -- | 191 | 11.2 | -- | | 10 |
| iso-Propyl Alcohol | ND | 5.00 | -- | ND | 12.3 | -- | | 10 |
| 1,1-Dichloroethene | 24.8 | 2.00 | -- | 98.3 | 7.93 | -- | | 10 |
| tert-Butyl Alcohol | 6.45 | 5.00 | -- | 19.6 | 15.2 | -- | | 10 |
| Methylene chloride | 261 | 5.00 | -- | 907 | 17.4 | -- | | 10 |
| 3-Chloropropene | ND | 2.00 | -- | ND | 6.26 | -- | | 10 |
| Carbon disulfide | ND | 2.00 | -- | ND | 6.23 | -- | | 10 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 494 | 2.00 | -- | 3790 | 15.3 | -- | | 10 |
| trans-1,2-Dichloroethene | ND | 2.00 | -- | ND | 7.93 | -- | | 10 |
| 1,1-Dichloroethane | 5.45 | 2.00 | -- | 22.1 | 8.09 | -- | | 10 |
| Methyl tert butyl ether | ND | 2.00 | -- | ND | 7.21 | -- | | 10 |
| 2-Butanone | 9.78 | 5.00 | -- | 28.8 | 14.7 | -- | | 10 |
| cis-1,2-Dichloroethene | 35.2 | 2.00 | -- | 140 | 7.93 | -- | | 10 |



TRIAL MODE - Click here for more information

***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820823
***Report Date:*** 06/12/18

## *SAMPLE RESULTS*

Lab ID: L1820823-02 D
Client ID: SV-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| Ethyl Acetate | ND | 5.00 | -- | ND | 18.0 | -- | | 10 |
| Chloroform | 7.18 | 2.00 | -- | 35.1 | 9.77 | -- | | 10 |
| Tetrahydrofuran | ND | 5.00 | -- | ND | 14.7 | -- | | 10 |
| 1,2-Dichloroethane | ND | 2.00 | -- | ND | 8.09 | -- | | 10 |
| n-Hexane | 6.89 | 2.00 | -- | 24.3 | 7.05 | -- | | 10 |
| 1,1,1-Trichloroethane | 215 | 2.00 | -- | 1170 | 10.9 | -- | | 10 |
| Benzene | 2.86 | 2.00 | -- | 9.14 | 6.39 | -- | | 10 |
| Carbon tetrachloride | 5.14 | 2.00 | -- | 32.3 | 12.6 | -- | | 10 |
| Cyclohexane | ND | 2.00 | -- | ND | 6.88 | -- | | 10 |
| 1,2-Dichloropropane | ND | 2.00 | -- | ND | 9.24 | -- | | 10 |
| Bromodichloromethane | ND | 2.00 | -- | ND | 13.4 | -- | | 10 |
| 1,4-Dioxane | ND | 2.00 | -- | ND | 7.21 | -- | | 10 |
| Trichloroethene | 274 | 2.00 | -- | 1470 | 10.7 | -- | | 10 |
| 2,2,4-Trimethylpentane | 2.48 | 2.00 | -- | 11.6 | 9.34 | -- | | 10 |
| Heptane | 2.13 | 2.00 | -- | 8.73 | 8.20 | -- | | 10 |
| cis-1,3-Dichloropropene | ND | 2.00 | -- | ND | 9.08 | -- | | 10 |
| 4-Methyl-2-pentanone | ND | 5.00 | -- | ND | 20.5 | -- | | 10 |
| trans-1,3-Dichloropropene | ND | 2.00 | -- | ND | 9.08 | -- | | 10 |
| 1,1,2-Trichloroethane | ND | 2.00 | -- | ND | 10.9 | -- | | 10 |
| Toluene | 8.13 | 2.00 | -- | 30.6 | 7.54 | -- | | 10 |
| 2-Hexanone | ND | 2.00 | -- | ND | 8.20 | -- | | 10 |
| Dibromochloromethane | ND | 2.00 | -- | ND | 17.0 | -- | | 10 |
| 1,2-Dibromoethane | ND | 2.00 | -- | ND | 15.4 | -- | | 10 |
| Tetrachloroethene | 5.99 | 2.00 | -- | 40.6 | 13.6 | -- | | 10 |
| Chlorobenzene | ND | 2.00 | -- | ND | 9.21 | -- | | 10 |
| Ethylbenzene | ND | 2.00 | -- | ND | 8.69 | -- | | 10 |



TRIAL MODE - Click here for more information

***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310
***Lab Number:*** L1820823
***Report Date:*** 06/12/18

## *SAMPLE RESULTS*

Lab ID: L1820823-02 D
Client ID: SV-2
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:50
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| p/m-Xylene | 7.30 | 4.00 | -- | 31.7 | 17.4 | -- | | 10 |
| Bromoform | ND | 2.00 | -- | ND | 20.7 | -- | | 10 |
| Styrene | ND | 2.00 | -- | ND | 8.52 | -- | | 10 |
| 1,1,2,2-Tetrachloroethane | ND | 2.00 | -- | ND | 13.7 | -- | | 10 |
| o-Xylene | 2.69 | 2.00 | -- | 11.7 | 8.69 | -- | | 10 |
| 4-Ethyltoluene | ND | 2.00 | -- | ND | 9.83 | -- | | 10 |
| 1,3,5-Trimethylbenzene | ND | 2.00 | -- | ND | 9.83 | -- | | 10 |
| 1,2,4-Trimethylbenzene | 2.75 | 2.00 | -- | 13.5 | 9.83 | -- | | 10 |
| Benzyl chloride | ND | 2.00 | -- | ND | 10.4 | -- | | 10 |
| 1,3-Dichlorobenzene | ND | 2.00 | -- | ND | 12.0 | -- | | 10 |
| 1,4-Dichlorobenzene | ND | 2.00 | -- | ND | 12.0 | -- | | 10 |
| 1,2-Dichlorobenzene | ND | 2.00 | -- | ND | 12.0 | -- | | 10 |
| 1,2,4-Trichlorobenzene | ND | 2.00 | -- | ND | 14.8 | -- | | 10 |
| Hexachlorobutadiene | ND | 2.00 | -- | ND | 21.3 | -- | | 10 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 97 | | 60-140 |
| Bromochloromethane | 94 | | 60-140 |
| chlorobenzene-d5 | 92 | | 60-140 |



TRIAL MODE - Click here for more information

***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820823
***Report Date:*** 06/12/18

## *SAMPLE RESULTS*

Lab ID: L1820823-03 D
Client ID: SV-3
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:52
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/10/18 00:55
Analyst: MB

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 1.00 | -- | ND | 4.94 | -- | | 5 |
| Chloromethane | 2.28 | 1.00 | -- | 4.71 | 2.07 | -- | | 5 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 1.00 | -- | ND | 6.99 | -- | | 5 |
| Vinyl chloride | ND | 1.00 | -- | ND | 2.56 | -- | | 5 |
| 1,3-Butadiene | 58.8 | 1.00 | -- | 130 | 2.21 | -- | | 5 |
| Bromomethane | ND | 1.00 | -- | ND | 3.88 | -- | | 5 |
| Chloroethane | ND | 1.00 | -- | ND | 2.64 | -- | | 5 |
| Ethyl Alcohol | 221 | 25.0 | -- | 416 | 47.1 | -- | | 5 |
| Vinyl bromide | ND | 1.00 | -- | ND | 4.37 | -- | | 5 |
| Acetone | 338 | 5.00 | -- | 803 | 11.9 | -- | | 5 |
| Trichlorofluoromethane | 285 | 1.00 | -- | 1600 | 5.62 | -- | | 5 |
| iso-Propyl Alcohol | 2.88 | 2.50 | -- | 7.08 | 6.15 | -- | | 5 |
| 1,1-Dichloroethene | 4.87 | 1.00 | -- | 19.3 | 3.96 | -- | | 5 |
| tert-Butyl Alcohol | 5.28 | 2.50 | -- | 16.0 | 7.58 | -- | | 5 |
| Methylene chloride | 8.08 | 2.50 | -- | 28.1 | 8.69 | -- | | 5 |
| 3-Chloropropene | ND | 1.00 | -- | ND | 3.13 | -- | | 5 |
| Carbon disulfide | 2.81 | 1.00 | -- | 8.75 | 3.11 | -- | | 5 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 168 | 1.00 | -- | 1290 | 7.66 | -- | | 5 |
| trans-1,2-Dichloroethene | ND | 1.00 | -- | ND | 3.96 | -- | | 5 |
| 1,1-Dichloroethane | 2.26 | 1.00 | -- | 9.15 | 4.05 | -- | | 5 |
| Methyl tert butyl ether | ND | 1.00 | -- | ND | 3.61 | -- | | 5 |
| 2-Butanone | 12.3 | 2.50 | -- | 36.3 | 7.37 | -- | | 5 |
| cis-1,2-Dichloroethene | 61.7 | 1.00 | -- | 245 | 3.96 | -- | | 5 |



TRIAL MODE - Click here for more information

***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820823
***Report Date:*** 06/12/18

## *SAMPLE RESULTS*

Lab ID: L1820823-03 D
Client ID: SV-3
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:52
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| Ethyl Acetate | ND | 2.50 | -- | ND | 9.01 | -- | | 5 |
| Chloroform | 14.5 | 1.00 | -- | 70.8 | 4.88 | -- | | 5 |
| Tetrahydrofuran | 7.58 | 2.50 | -- | 22.4 | 7.37 | -- | | 5 |
| 1,2-Dichloroethane | ND | 1.00 | -- | ND | 4.05 | -- | | 5 |
| n-Hexane | 10.5 | 1.00 | -- | 37.0 | 3.52 | -- | | 5 |
| 1,1,1-Trichloroethane | 64.9 | 1.00 | -- | 354 | 5.46 | -- | | 5 |
| Benzene | 5.10 | 1.00 | -- | 16.3 | 3.19 | -- | | 5 |
| Carbon tetrachloride | ND | 1.00 | -- | ND | 6.29 | -- | | 5 |
| Cyclohexane | 1.76 | 1.00 | -- | 6.06 | 3.44 | -- | | 5 |
| 1,2-Dichloropropane | ND | 1.00 | -- | ND | 4.62 | -- | | 5 |
| Bromodichloromethane | ND | 1.00 | -- | ND | 6.70 | -- | | 5 |
| 1,4-Dioxane | ND | 1.00 | -- | ND | 3.60 | -- | | 5 |
| Trichloroethene | 63.9 | 1.00 | -- | 343 | 5.37 | -- | | 5 |
| 2,2,4-Trimethylpentane | 2.90 | 1.00 | -- | 13.5 | 4.67 | -- | | 5 |
| Heptane | 2.53 | 1.00 | -- | 10.4 | 4.10 | -- | | 5 |
| cis-1,3-Dichloropropene | ND | 1.00 | -- | ND | 4.54 | -- | | 5 |
| 4-Methyl-2-pentanone | ND | 2.50 | -- | ND | 10.2 | -- | | 5 |
| trans-1,3-Dichloropropene | ND | 1.00 | -- | ND | 4.54 | -- | | 5 |
| 1,1,2-Trichloroethane | ND | 1.00 | -- | ND | 5.46 | -- | | 5 |
| Toluene | 10.7 | 1.00 | -- | 40.3 | 3.77 | -- | | 5 |
| 2-Hexanone | ND | 1.00 | -- | ND | 4.10 | -- | | 5 |
| Dibromochloromethane | ND | 1.00 | -- | ND | 8.52 | -- | | 5 |
| 1,2-Dibromoethane | ND | 1.00 | -- | ND | 7.69 | -- | | 5 |
| Tetrachloroethene | 4.72 | 1.00 | -- | 32.0 | 6.78 | -- | | 5 |
| Chlorobenzene | ND | 1.00 | -- | ND | 4.61 | -- | | 5 |
| Ethylbenzene | 2.32 | 1.00 | -- | 10.1 | 4.34 | -- | | 5 |



TRIAL MODE - Click here for more information

***Project Name:*** 480 FLUSHING AVE.
***Project Number:*** 17-310

***Lab Number:*** L1820823
***Report Date:*** 06/12/18

## *SAMPLE RESULTS*

Lab ID: L1820823-03 D
Client ID: SV-3
Sample Location: 480 FLUSHING AVE., BROOKLYN, NY

Date Collected: 06/04/18 13:52
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| p/m-Xylene | 8.88 | 2.00 | -- | 38.6 | 8.69 | -- | | 5 |
| Bromoform | ND | 1.00 | -- | ND | 10.3 | -- | | 5 |
| Styrene | ND | 1.00 | -- | ND | 4.26 | -- | | 5 |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | -- | ND | 6.87 | -- | | 5 |
| o-Xylene | 3.12 | 1.00 | -- | 13.6 | 4.34 | -- | | 5 |
| 4-Ethyltoluene | ND | 1.00 | -- | ND | 4.92 | -- | | 5 |
| 1,3,5-Trimethylbenzene | ND | 1.00 | -- | ND | 4.92 | -- | | 5 |
| 1,2,4-Trimethylbenzene | 3.12 | 1.00 | -- | 15.3 | 4.92 | -- | | 5 |
| Benzyl chloride | ND | 1.00 | -- | ND | 5.18 | -- | | 5 |
| 1,3-Dichlorobenzene | ND | 1.00 | -- | ND | 6.01 | -- | | 5 |
| 1,4-Dichlorobenzene | ND | 1.00 | -- | ND | 6.01 | -- | | 5 |
| 1,2-Dichlorobenzene | ND | 1.00 | -- | ND | 6.01 | -- | | 5 |
| 1,2,4-Trichlorobenzene | ND | 1.00 | -- | ND | 7.42 | -- | | 5 |
| Hexachlorobutadiene | ND | 1.00 | -- | ND | 10.7 | -- | | 5 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 91 | | 60-140 |
| Bromochloromethane | 89 | | 60-140 |
| chlorobenzene-d5 | 85 | | 60-140 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/09/18 13:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1124327-4 | | | | | | | | |
| Chlorodifluoromethane | ND | 0.200 | -- | ND | 0.707 | -- | | 1 |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Propane | ND | 0.500 | -- | ND | 0.902 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Methanol | ND | 5.00 | -- | ND | 6.55 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Butane | ND | 0.200 | -- | ND | 0.475 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethyl Alcohol | ND | 5.00 | -- | ND | 9.42 | -- | | 1 |
| Dichlorofluoromethane | ND | 0.200 | -- | ND | 0.842 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acrolein | ND | 0.500 | -- | ND | 1.15 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Acetonitrile | ND | 0.200 | -- | ND | 0.336 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| iso-Propyl Alcohol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| Acrylonitrile | ND | 0.500 | -- | ND | 1.09 | -- | | 1 |
| Pentane | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| Ethyl ether | ND | 0.200 | -- | ND | 0.606 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| tert-Butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/09/18 13:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1124327-4 | | | | | | | | |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Vinyl acetate | ND | 1.00 | -- | ND | 3.52 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 2,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| Isopropyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| Ethyl-Tert-Butyl-Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| 1,1-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| Tertiary-Amyl Methyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| Dibromomethane | ND | 0.200 | -- | ND | 1.42 | -- | | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/09/18 13:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1124327-4 | | | | | | | | |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Methyl Methacrylate | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 1,3-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Butyl Acetate | ND | 0.500 | -- | ND | 2.38 | -- | | 1 |
| Octane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/09/18 13:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1124327-4 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,2,3-Trichloropropane | ND | 0.200 | -- | ND | 1.21 | -- | | 1 |
| Nonane (C9) | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| Isopropylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Bromobenzene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| o-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| n-Propylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| p-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| tert-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Decane (C10) | ND | 0.200 | -- | ND | 1.16 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | 0.200 | -- | ND | 1.93 | -- | | 1 |
| Undecane | ND | 0.200 | -- | ND | 1.28 | -- | | 1 |
| Dodecane (C12) | ND | 0.200 | -- | ND | 1.39 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/09/18 13:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1124327-4 | | | | | | | | |
| Naphthalene | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| | Results | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | | | | | |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/11/18 11:53

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1124327-9 | | | | | | | | |
| Chlorodifluoromethane | ND | 0.200 | -- | ND | 0.707 | -- | | 1 |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Propane | ND | 0.500 | -- | ND | 0.902 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Methanol | ND | 5.00 | -- | ND | 6.55 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Butane | ND | 0.200 | -- | ND | 0.475 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethyl Alcohol | ND | 5.00 | -- | ND | 9.42 | -- | | 1 |
| Dichlorofluoromethane | ND | 0.200 | -- | ND | 0.842 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acrolein | ND | 0.500 | -- | ND | 1.15 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Acetonitrile | ND | 0.200 | -- | ND | 0.336 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| iso-Propyl Alcohol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| Acrylonitrile | ND | 0.500 | -- | ND | 1.09 | -- | | 1 |
| Pentane | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| Ethyl ether | ND | 0.200 | -- | ND | 0.606 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| tert-Butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/11/18 11:53

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1124327-9 | | | | | | | | |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Vinyl acetate | ND | 1.00 | -- | ND | 3.52 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 2,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| Isopropyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| Ethyl-Tert-Butyl-Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| 1,1-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| Tertiary-Amyl Methyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| Dibromomethane | ND | 0.200 | -- | ND | 1.42 | -- | | 1 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/11/18 11:53

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1124327-9 | | | | | | | | |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Methyl Methacrylate | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 1,3-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Butyl Acetate | ND | 0.500 | -- | ND | 2.38 | -- | | 1 |
| Octane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/11/18 11:53

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1124327-9 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,2,3-Trichloropropane | ND | 0.200 | -- | ND | 1.21 | -- | | 1 |
| Nonane (C9) | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| Isopropylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Bromobenzene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| o-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| n-Propylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| p-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| tert-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Decane (C10) | ND | 0.200 | -- | ND | 1.16 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | 0.200 | -- | ND | 1.93 | -- | | 1 |
| Undecane | ND | 0.200 | -- | ND | 1.28 | -- | | 1 |
| Dodecane (C12) | ND | 0.200 | -- | ND | 1.39 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/11/18 11:53

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1124327-9 | | | | | | | | |
| Naphthalene | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |



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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1124327-3 | | | | | | | | |
| Chlorodifluoromethane | 81 | | - | | 70-130 | - | | |
| Propylene | 101 | | - | | 70-130 | - | | |
| Propane | 90 | | - | | 70-130 | - | | |
| Dichlorodifluoromethane | 71 | | - | | 70-130 | - | | |
| Chloromethane | 108 | | - | | 70-130 | - | | |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | 105 | | - | | 70-130 | - | | |
| Methanol | 106 | | - | | 70-130 | - | | |
| Vinyl chloride | 100 | | - | | 70-130 | - | | |
| 1,3-Butadiene | 111 | | - | | 70-130 | - | | |
| Butane | 102 | | - | | 70-130 | - | | |
| Bromomethane | 97 | | - | | 70-130 | - | | |
| Chloroethane | 105 | | - | | 70-130 | - | | |
| Ethyl Alcohol | 109 | | - | | 70-130 | - | | |
| Dichlorofluoromethane | 99 | | - | | 70-130 | - | | |
| Vinyl bromide | 103 | | - | | 70-130 | - | | |
| Acrolein | 85 | | - | | 70-130 | - | | |
| Acetone | 91 | | - | | 70-130 | - | | |
| Acetonitrile | 108 | | - | | 70-130 | - | | |
| Trichlorofluoromethane | 103 | | - | | 70-130 | - | | |
| iso-Propyl Alcohol | 87 | | - | | 70-130 | - | | |
| Acrylonitrile | 99 | | - | | 70-130 | - | | |
| Pentane | 97 | | - | | 70-130 | - | | |
| Ethyl ether | 100 | | - | | 70-130 | - | | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1124327-3 | | | | | | | | |
| 1,1-Dichloroethene | 101 | | - | | 70-130 | - | | |
| tert-Butyl Alcohol | 93 | | - | | 70-130 | - | | |
| Methylene chloride | 113 | | - | | 70-130 | - | | |
| 3-Chloropropene | 108 | | - | | 70-130 | - | | |
| Carbon disulfide | 103 | | - | | 70-130 | - | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 106 | | - | | 70-130 | - | | |
| trans-1,2-Dichloroethene | 82 | | - | | 70-130 | - | | |
| 1,1-Dichloroethane | 82 | | - | | 70-130 | - | | |
| Methyl tert butyl ether | 78 | | - | | 70-130 | - | | |
| Vinyl acetate | 96 | | - | | 70-130 | - | | |
| 2-Butanone | 96 | | - | | 70-130 | - | | |
| cis-1,2-Dichloroethene | 84 | | - | | 70-130 | - | | |
| Ethyl Acetate | 104 | | - | | 70-130 | - | | |
| Chloroform | 86 | | - | | 70-130 | - | | |
| Tetrahydrofuran | 80 | | - | | 70-130 | - | | |
| 2,2-Dichloropropane | 74 | | - | | 70-130 | - | | |
| 1,2-Dichloroethane | 82 | | - | | 70-130 | - | | |
| n-Hexane | 103 | | - | | 70-130 | - | | |
| Isopropyl Ether | 91 | | - | | 70-130 | - | | |
| Ethyl-Tert-Butyl-Ether | 82 | | - | | 70-130 | - | | |
| 1,1,1-Trichloroethane | 87 | | - | | 70-130 | - | | |
| 1,1-Dichloropropene | 91 | | - | | 70-130 | - | | |
| Benzene | 94 | | - | | 70-130 | - | | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1124327-3 | | | | | | | | |
| Carbon tetrachloride | 94 | | - | | 70-130 | - | | |
| Cyclohexane | 95 | | - | | 70-130 | - | | |
| Tertiary-Amyl Methyl Ether | 81 | | - | | 70-130 | - | | |
| Dibromomethane | 92 | | - | | 70-130 | - | | |
| 1,2-Dichloropropane | 97 | | - | | 70-130 | - | | |
| Bromodichloromethane | 99 | | - | | 70-130 | - | | |
| 1,4-Dioxane | 101 | | - | | 70-130 | - | | |
| Trichloroethene | 97 | | - | | 70-130 | - | | |
| 2,2,4-Trimethylpentane | 100 | | - | | 70-130 | - | | |
| Methyl Methacrylate | 84 | | - | | 70-130 | - | | |
| Heptane | 104 | | - | | 70-130 | - | | |
| cis-1,3-Dichloropropene | 99 | | - | | 70-130 | - | | |
| 4-Methyl-2-pentanone | 111 | | - | | 70-130 | - | | |
| trans-1,3-Dichloropropene | 80 | | - | | 70-130 | - | | |
| 1,1,2-Trichloroethane | 96 | | - | | 70-130 | - | | |
| Toluene | 87 | | - | | 70-130 | - | | |
| 1,3-Dichloropropane | 85 | | - | | 70-130 | - | | |
| 2-Hexanone | 104 | | - | | 70-130 | - | | |
| Dibromochloromethane | 97 | | - | | 70-130 | - | | |
| 1,2-Dibromoethane | 90 | | - | | 70-130 | - | | |
| Butyl Acetate | 78 | | - | | 70-130 | - | | |
| Octane | 78 | | - | | 70-130 | - | | |
| Tetrachloroethene | 93 | | - | | 70-130 | - | | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1124327-3 | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 86 | | - | | 70-130 | - | | |
| Chlorobenzene | 89 | | - | | 70-130 | - | | |
| Ethylbenzene | 87 | | - | | 70-130 | - | | |
| p/m-Xylene | 88 | | - | | 70-130 | - | | |
| Bromoform | 99 | | - | | 70-130 | - | | |
| Styrene | 85 | | - | | 70-130 | - | | |
| 1,1,2,2-Tetrachloroethane | 100 | | - | | 70-130 | - | | |
| o-Xylene | 94 | | - | | 70-130 | - | | |
| 1,2,3-Trichloropropane | 83 | | - | | 70-130 | - | | |
| Nonane (C9) | 91 | | - | | 70-130 | - | | |
| Isopropylbenzene | 89 | | - | | 70-130 | - | | |
| Bromobenzene | 84 | | - | | 70-130 | - | | |
| o-Chlorotoluene | 84 | | - | | 70-130 | - | | |
| n-Propylbenzene | 85 | | - | | 70-130 | - | | |
| p-Chlorotoluene | 84 | | - | | 70-130 | - | | |
| 4-Ethyltoluene | 91 | | - | | 70-130 | - | | |
| 1,3,5-Trimethylbenzene | 87 | | - | | 70-130 | - | | |
| tert-Butylbenzene | 94 | | - | | 70-130 | - | | |
| 1,2,4-Trimethylbenzene | 100 | | - | | 70-130 | - | | |
| Decane (C10) | 94 | | - | | 70-130 | - | | |
| Benzyl chloride | 93 | | - | | 70-130 | - | | |
| 1,3-Dichlorobenzene | 94 | | - | | 70-130 | - | | |
| 1,4-Dichlorobenzene | 94 | | - | | 70-130 | - | | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1124327-3 | | | | | | | | |
| sec-Butylbenzene | 89 | | - | | 70-130 | - | | |
| p-Isopropyltoluene | 82 | | - | | 70-130 | - | | |
| 1,2-Dichlorobenzene | 92 | | - | | 70-130 | - | | |
| n-Butylbenzene | 95 | | - | | 70-130 | - | | |
| 1,2-Dibromo-3-chloropropane | 88 | | - | | 70-130 | - | | |
| Undecane | 105 | | - | | 70-130 | - | | |
| Dodecane (C12) | **131** | Q | - | | 70-130 | - | | |
| 1,2,4-Trichlorobenzene | 116 | | - | | 70-130 | - | | |
| Naphthalene | 99 | | - | | 70-130 | - | | |
| 1,2,3-Trichlorobenzene | 102 | | - | | 70-130 | - | | |
| Hexachlorobutadiene | 104 | | - | | 70-130 | - | | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1124327-8 | | | | | | | | |
| Chlorodifluoromethane | 82 | | - | | 70-130 | - | | |
| Propylene | 100 | | - | | 70-130 | - | | |
| Propane | 90 | | - | | 70-130 | - | | |
| Dichlorodifluoromethane | 77 | | - | | 70-130 | - | | |
| Chloromethane | 107 | | - | | 70-130 | - | | |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | 106 | | - | | 70-130 | - | | |
| Methanol | 108 | | - | | 70-130 | - | | |
| Vinyl chloride | 100 | | - | | 70-130 | - | | |
| 1,3-Butadiene | 110 | | - | | 70-130 | - | | |
| Butane | 106 | | - | | 70-130 | - | | |
| Bromomethane | 98 | | - | | 70-130 | - | | |
| Chloroethane | 106 | | - | | 70-130 | - | | |
| Ethyl Alcohol | 108 | | - | | 70-130 | - | | |
| Dichlorofluoromethane | 97 | | - | | 70-130 | - | | |
| Vinyl bromide | 99 | | - | | 70-130 | - | | |
| Acrolein | 85 | | - | | 70-130 | - | | |
| Acetone | 94 | | - | | 70-130 | - | | |
| Acetonitrile | 105 | | - | | 70-130 | - | | |
| Trichlorofluoromethane | 104 | | - | | 70-130 | - | | |
| iso-Propyl Alcohol | 89 | | - | | 70-130 | - | | |
| Acrylonitrile | 100 | | - | | 70-130 | - | | |
| Pentane | 99 | | - | | 70-130 | - | | |
| Ethyl ether | 99 | | - | | 70-130 | - | | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1124327-8 | | | | | | | | |
| 1,1-Dichloroethene | 104 | | - | | 70-130 | - | | |
| tert-Butyl Alcohol | 96 | | - | | 70-130 | - | | |
| Methylene chloride | 110 | | - | | 70-130 | - | | |
| 3-Chloropropene | 106 | | - | | 70-130 | - | | |
| Carbon disulfide | 85 | | - | | 70-130 | - | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 87 | | - | | 70-130 | - | | |
| trans-1,2-Dichloroethene | 82 | | - | | 70-130 | - | | |
| 1,1-Dichloroethane | 81 | | - | | 70-130 | - | | |
| Methyl tert butyl ether | 79 | | - | | 70-130 | - | | |
| Vinyl acetate | 104 | | - | | 70-130 | - | | |
| 2-Butanone | 98 | | - | | 70-130 | - | | |
| cis-1,2-Dichloroethene | 85 | | - | | 70-130 | - | | |
| Ethyl Acetate | 103 | | - | | 70-130 | - | | |
| Chloroform | 88 | | - | | 70-130 | - | | |
| Tetrahydrofuran | 84 | | - | | 70-130 | - | | |
| 2,2-Dichloropropane | 77 | | - | | 70-130 | - | | |
| 1,2-Dichloroethane | 82 | | - | | 70-130 | - | | |
| n-Hexane | 100 | | - | | 70-130 | - | | |
| Isopropyl Ether | 89 | | - | | 70-130 | - | | |
| Ethyl-Tert-Butyl-Ether | 84 | | - | | 70-130 | - | | |
| 1,1,1-Trichloroethane | 87 | | - | | 70-130 | - | | |
| 1,1-Dichloropropene | 87 | | - | | 70-130 | - | | |
| Benzene | 91 | | - | | 70-130 | - | | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1124327-8 | | | | | | | | |
| Carbon tetrachloride | 90 | | - | | 70-130 | - | | |
| Cyclohexane | 93 | | - | | 70-130 | - | | |
| Tertiary-Amyl Methyl Ether | 80 | | - | | 70-130 | - | | |
| Dibromomethane | 88 | | - | | 70-130 | - | | |
| 1,2-Dichloropropane | 92 | | - | | 70-130 | - | | |
| Bromodichloromethane | 93 | | - | | 70-130 | - | | |
| 1,4-Dioxane | 95 | | - | | 70-130 | - | | |
| Trichloroethene | 91 | | - | | 70-130 | - | | |
| 2,2,4-Trimethylpentane | 98 | | - | | 70-130 | - | | |
| Methyl Methacrylate | 80 | | - | | 70-130 | - | | |
| Heptane | 100 | | - | | 70-130 | - | | |
| cis-1,3-Dichloropropene | 90 | | - | | 70-130 | - | | |
| 4-Methyl-2-pentanone | 106 | | - | | 70-130 | - | | |
| trans-1,3-Dichloropropene | 79 | | - | | 70-130 | - | | |
| 1,1,2-Trichloroethane | 93 | | - | | 70-130 | - | | |
| Toluene | 84 | | - | | 70-130 | - | | |
| 1,3-Dichloropropane | 83 | | - | | 70-130 | - | | |
| 2-Hexanone | 107 | | - | | 70-130 | - | | |
| Dibromochloromethane | 96 | | - | | 70-130 | - | | |
| 1,2-Dibromoethane | 92 | | - | | 70-130 | - | | |
| Butyl Acetate | 83 | | - | | 70-130 | - | | |
| Octane | 80 | | - | | 70-130 | - | | |
| Tetrachloroethene | 92 | | - | | 70-130 | - | | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1124327-8 | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 86 | | - | | 70-130 | - | | |
| Chlorobenzene | 88 | | - | | 70-130 | - | | |
| Ethylbenzene | 90 | | - | | 70-130 | - | | |
| p/m-Xylene | 90 | | - | | 70-130 | - | | |
| Bromoform | 100 | | - | | 70-130 | - | | |
| Styrene | 88 | | - | | 70-130 | - | | |
| 1,1,2,2-Tetrachloroethane | 102 | | - | | 70-130 | - | | |
| o-Xylene | 95 | | - | | 70-130 | - | | |
| 1,2,3-Trichloropropane | 85 | | - | | 70-130 | - | | |
| Nonane (C9) | 92 | | - | | 70-130 | - | | |
| Isopropylbenzene | 88 | | - | | 70-130 | - | | |
| Bromobenzene | 85 | | - | | 70-130 | - | | |
| o-Chlorotoluene | 86 | | - | | 70-130 | - | | |
| n-Propylbenzene | 85 | | - | | 70-130 | - | | |
| p-Chlorotoluene | 83 | | - | | 70-130 | - | | |
| 4-Ethyltoluene | 87 | | - | | 70-130 | - | | |
| 1,3,5-Trimethylbenzene | 89 | | - | | 70-130 | - | | |
| tert-Butylbenzene | 94 | | - | | 70-130 | - | | |
| 1,2,4-Trimethylbenzene | 102 | | - | | 70-130 | - | | |
| Decane (C10) | 92 | | - | | 70-130 | - | | |
| Benzyl chloride | 96 | | - | | 70-130 | - | | |
| 1,3-Dichlorobenzene | 92 | | - | | 70-130 | - | | |
| 1,4-Dichlorobenzene | 96 | | - | | 70-130 | - | | |

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# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1124327-8 | | | | | | | | |
| sec-Butylbenzene | 89 | | - | | 70-130 | - | | |
| p-Isopropyltoluene | 83 | | - | | 70-130 | - | | |
| 1,2-Dichlorobenzene | 95 | | - | | 70-130 | - | | |
| n-Butylbenzene | 96 | | - | | 70-130 | - | | |
| 1,2-Dibromo-3-chloropropane | 91 | | - | | 70-130 | - | | |
| Undecane | 104 | | - | | 70-130 | - | | |
| Dodecane (C12) | 129 | | - | | 70-130 | - | | |
| 1,2,4-Trichlorobenzene | 113 | | - | | 70-130 | - | | |
| Naphthalene | 100 | | - | | 70-130 | - | | |
| 1,2,3-Trichlorobenzene | 103 | | - | | 70-130 | - | | |
| Hexachlorobutadiene | 104 | | - | | 70-130 | - | | |

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# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1124327-5 QC Sample: L1820823-02 Client ID: SV-2 | | | | | | |
| Dichlorodifluoromethane | ND | ND | ppbV | NC | | 25 |
| Chloromethane | ND | ND | ppbV | NC | | 25 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ND | ppbV | NC | | 25 |
| Vinyl chloride | ND | ND | ppbV | NC | | 25 |
| 1,3-Butadiene | 20.6 | 22.1 | ppbV | 7 | | 25 |
| Bromomethane | ND | ND | ppbV | NC | | 25 |
| Chloroethane | ND | ND | ppbV | NC | | 25 |
| Ethyl Alcohol | 163 | 161 | ppbV | 1 | | 25 |
| Vinyl bromide | ND | ND | ppbV | NC | | 25 |
| Acetone | 241 | 240 | ppbV | 0 | | 25 |
| Trichlorofluoromethane | 33.9 | 33.0 | ppbV | 3 | | 25 |
| iso-Propyl Alcohol | ND | ND | ppbV | NC | | 25 |
| 1,1-Dichloroethene | 24.8 | 25.0 | ppbV | 1 | | 25 |
| tert-Butyl Alcohol | 6.45 | ND | ppbV | NC | | 25 |
| Methylene chloride | 261 | 269 | ppbV | 3 | | 25 |
| 3-Chloropropene | ND | ND | ppbV | NC | | 25 |
| Carbon disulfide | ND | ND | ppbV | NC | | 25 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 494 | 515 | ppbV | 4 | | 25 |
| trans-1,2-Dichloroethene | ND | ND | ppbV | NC | | 25 |
| 1,1-Dichloroethane | 5.45 | 5.90 | ppbV | 8 | | 25 |
| Methyl tert butyl ether | ND | ND | ppbV | NC | | 25 |

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# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1124327-5 QC Sample: L1820823-02 Client ID: SV-2 | | | | | | |
| 2-Butanone | 9.78 | 10.1 | ppbV | 3 | | 25 |
| cis-1,2-Dichloroethene | 35.2 | 34.8 | ppbV | 1 | | 25 |
| Ethyl Acetate | ND | ND | ppbV | NC | | 25 |
| Chloroform | 7.18 | 7.05 | ppbV | 2 | | 25 |
| Tetrahydrofuran | ND | ND | ppbV | NC | | 25 |
| 1,2-Dichloroethane | ND | ND | ppbV | NC | | 25 |
| n-Hexane | 6.89 | 6.72 | ppbV | 2 | | 25 |
| 1,1,1-Trichloroethane | 215 | 235 | ppbV | 9 | | 25 |
| Benzene | 2.86 | 2.97 | ppbV | 4 | | 25 |
| Carbon tetrachloride | 5.14 | 5.25 | ppbV | 2 | | 25 |
| Cyclohexane | ND | ND | ppbV | NC | | 25 |
| 1,2-Dichloropropane | ND | ND | ppbV | NC | | 25 |
| Bromodichloromethane | ND | ND | ppbV | NC | | 25 |
| 1,4-Dioxane | ND | ND | ppbV | NC | | 25 |
| Trichloroethene | 274 | 292 | ppbV | 6 | | 25 |
| 2,2,4-Trimethylpentane | 2.48 | 2.56 | ppbV | 3 | | 25 |
| Heptane | 2.13 | 2.20 | ppbV | 3 | | 25 |
| cis-1,3-Dichloropropene | ND | ND | ppbV | NC | | 25 |
| 4-Methyl-2-pentanone | ND | ND | ppbV | NC | | 25 |
| trans-1,3-Dichloropropene | ND | ND | ppbV | NC | | 25 |
| 1,1,2-Trichloroethane | ND | ND | ppbV | NC | | 25 |

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# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1124327-5 QC Sample: L1820823-02 Client ID: SV-2 | | | | | | |
| Toluene | 8.13 | 8.67 | ppbV | 6 | | 25 |
| 2-Hexanone | ND | ND | ppbV | NC | | 25 |
| Dibromochloromethane | ND | ND | ppbV | NC | | 25 |
| 1,2-Dibromoethane | ND | ND | ppbV | NC | | 25 |
| Tetrachloroethene | 5.99 | 6.46 | ppbV | 8 | | 25 |
| Chlorobenzene | ND | ND | ppbV | NC | | 25 |
| Ethylbenzene | ND | 2.06 | ppbV | NC | | 25 |
| p/m-Xylene | 7.30 | 8.20 | ppbV | 12 | | 25 |
| Bromoform | ND | ND | ppbV | NC | | 25 |
| Styrene | ND | ND | ppbV | NC | | 25 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ppbV | NC | | 25 |
| o-Xylene | 2.69 | 2.84 | ppbV | 5 | | 25 |
| 4-Ethyltoluene | ND | ND | ppbV | NC | | 25 |
| 1,3,5-Trimethylbenzene | ND | ND | ppbV | NC | | 25 |
| 1,2,4-Trimethylbenzene | 2.75 | 2.84 | ppbV | 3 | | 25 |
| Benzyl chloride | ND | ND | ppbV | NC | | 25 |
| 1,3-Dichlorobenzene | ND | ND | ppbV | NC | | 25 |
| 1,4-Dichlorobenzene | ND | ND | ppbV | NC | | 25 |
| 1,2-Dichlorobenzene | ND | ND | ppbV | NC | | 25 |
| 1,2,4-Trichlorobenzene | ND | ND | ppbV | NC | | 25 |
| Hexachlorobutadiene | ND | ND | ppbV | NC | | 25 |

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**Project Name:** 480 FLUSHING AVE.

**Project Number:** 17-310

**Lab Number:** L1820823

**Report Date:** 06/12/18

## Canister and Flow Controller Information

| Samplenum | Client ID | Media ID | Media Type | Date Prepared | Bottle Order | Cleaning Batch ID | Can Leak Check | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Controler Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1820823-01 | SV-1 | 0876 | Flow 4 | 05/31/18 | 266889 | | - | - | - | Pass | 17.9 | 17.3 | 3 |
| L1820823-01 | SV-1 | 535 | 2.7L Can | 05/31/18 | 266889 | L1819345-01 | Pass | -30.0 | -5.25 | - | - | - | - |
| L1820823-02 | SV-2 | 01034 | Flow 4 | 05/31/18 | 266889 | | - | - | - | Pass | 18.0 | 17.7 | 2 |
| L1820823-02 | SV-2 | 2299 | 2.7L Can | 05/31/18 | 266889 | L1819345-01 | Pass | -29.9 | -4.11 | - | - | - | - |
| L1820823-03 | SV-3 | 0973 | Flow 4 | 05/31/18 | 266889 | | - | - | - | Pass | 18.0 | 18.5 | 3 |
| L1820823-03 | SV-3 | 400 | 2.7L Can | 05/31/18 | 266889 | L1819345-01 | Pass | -29.9 | -4.65 | - | - | - | - |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1819345
**Report Date:** 06/12/18

# Air Canister Certification Results

Lab ID: L1819345-01
Client ID: CAN 522 SHELF 8
Sample Location:

Date Collected: 05/24/18 16:00
Date Received: 05/25/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/25/18 19:29
Analyst: GJ

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Chlorodifluoromethane | ND | 0.200 | -- | ND | 0.707 | -- | | 1 |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Propane | ND | 0.500 | -- | ND | 0.902 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Methanol | ND | 5.00 | -- | ND | 6.55 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Butane | ND | 0.200 | -- | ND | 0.475 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 1 |
| Dichlorofluoromethane | ND | 0.200 | -- | ND | 0.842 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acrolein | ND | 0.500 | -- | ND | 1.15 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Acetonitrile | ND | 0.200 | -- | ND | 0.336 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| Acrylonitrile | ND | 0.500 | -- | ND | 1.09 | -- | | 1 |
| Pentane | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| Ethyl ether | ND | 0.200 | -- | ND | 0.606 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |



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**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT
**Lab Number:** L1819345
**Report Date:** 06/12/18

# Air Canister Certification Results

Lab ID: L1819345-01
Client ID: CAN 522 SHELF 8
Sample Location:

Date Collected: 05/24/18 16:00
Date Received: 05/25/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Vinyl acetate | ND | 1.00 | -- | ND | 3.52 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 2,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| Diisopropyl ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| tert-Butyl Ethyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| 1,1-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| tert-Amyl Methyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| Dibromomethane | ND | 0.200 | -- | ND | 1.42 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |



TRIAL MODE - Click here for more information

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1819345
**Report Date:** 06/12/18

# Air Canister Certification Results

Lab ID: L1819345-01
Client ID: CAN 522 SHELF 8
Sample Location:

Date Collected: 05/24/18 16:00
Date Received: 05/25/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Methyl Methacrylate | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 1,3-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Butyl acetate | ND | 0.500 | -- | ND | 2.38 | -- | | 1 |
| Octane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,2,3-Trichloropropane | ND | 0.200 | -- | ND | 1.21 | -- | | 1 |



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**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT
**Lab Number:** L1819345
**Report Date:** 06/12/18

# Air Canister Certification Results

Lab ID: L1819345-01
Client ID: CAN 522 SHELF 8
Sample Location:

Date Collected: 05/24/18 16:00
Date Received: 05/25/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Nonane | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| Isopropylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Bromobenzene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 2-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| n-Propylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 4-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| tert-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Decane | ND | 0.200 | -- | ND | 1.16 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | 0.200 | -- | ND | 1.93 | -- | | 1 |
| Undecane | ND | 0.200 | -- | ND | 1.28 | -- | | 1 |
| Dodecane | ND | 0.200 | -- | ND | 1.39 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Naphthalene | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |



TRIAL MODE - Click here for more information

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1819345
**Report Date:** 06/12/18

# Air Canister Certification Results

Lab ID: L1819345-01
Client ID: CAN 522 SHELF 8
Sample Location:

Date Collected: 05/24/18 16:00
Date Received: 05/25/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |

| | Results | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| Tentatively Identified Compounds | | | | | |

No Tentatively Identified Compounds

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 81 | | 60-140 |
| Bromochloromethane | 87 | | 60-140 |
| chlorobenzene-d5 | 79 | | 60-140 |



TRIAL MODE - Click here for more information

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1819345
**Report Date:** 06/12/18

# Air Canister Certification Results

Lab ID: L1819345-01
Client ID: CAN 522 SHELF 8
Sample Location:

Date Collected: 05/24/18 16:00
Date Received: 05/25/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/25/18 19:29
Analyst: GJ

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.050 | -- | ND | 0.349 | -- | | 1 |
| Vinyl chloride | ND | 0.020 | -- | ND | 0.051 | -- | | 1 |
| 1,3-Butadiene | ND | 0.020 | -- | ND | 0.044 | -- | | 1 |
| Bromomethane | ND | 0.020 | -- | ND | 0.078 | -- | | 1 |
| Chloroethane | ND | 0.100 | -- | ND | 0.264 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.050 | -- | ND | 0.281 | -- | | 1 |
| Acrylonitrile | ND | 0.500 | -- | ND | 1.09 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| Freon-113 | ND | 0.050 | -- | ND | 0.383 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.020 | -- | ND | 0.081 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| Chloroform | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.020 | -- | ND | 0.081 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.020 | -- | ND | 0.109 | -- | | 1 |
| Benzene | ND | 0.100 | -- | ND | 0.319 | -- | | 1 |
| Carbon tetrachloride | ND | 0.020 | -- | ND | 0.126 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.020 | -- | ND | 0.092 | -- | | 1 |



TRIAL MODE - Click here for more information

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1819345
**Report Date:** 06/12/18

# Air Canister Certification Results

Lab ID: L1819345-01
Client ID: CAN 522 SHELF 8
Sample Location:

Date Collected: 05/24/18 16:00
Date Received: 05/25/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air by SIM - Mansfield Lab** | | | | | | | | |
| Bromodichloromethane | ND | 0.020 | -- | ND | 0.134 | -- | | 1 |
| 1,4-Dioxane | ND | 0.100 | -- | ND | 0.360 | -- | | 1 |
| Trichloroethene | ND | 0.020 | -- | ND | 0.107 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.020 | -- | ND | 0.091 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.020 | -- | ND | 0.091 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.020 | -- | ND | 0.109 | -- | | 1 |
| Toluene | ND | 0.050 | -- | ND | 0.188 | -- | | 1 |
| Dibromochloromethane | ND | 0.020 | -- | ND | 0.170 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.020 | -- | ND | 0.154 | -- | | 1 |
| Tetrachloroethene | ND | 0.020 | -- | ND | 0.136 | -- | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | 0.020 | -- | ND | 0.137 | -- | | 1 |
| Chlorobenzene | ND | 0.100 | -- | ND | 0.461 | -- | | 1 |
| Ethylbenzene | ND | 0.020 | -- | ND | 0.087 | -- | | 1 |
| p/m-Xylene | ND | 0.040 | -- | ND | 0.174 | -- | | 1 |
| Bromoform | ND | 0.020 | -- | ND | 0.207 | -- | | 1 |
| Styrene | ND | 0.020 | -- | ND | 0.085 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.020 | -- | ND | 0.137 | -- | | 1 |
| o-Xylene | ND | 0.020 | -- | ND | 0.087 | -- | | 1 |
| Isopropylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,3,5-Trimethybenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |



TRIAL MODE - Click here for more information

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1819345
**Report Date:** 06/12/18

# Air Canister Certification Results

Lab ID: L1819345-01
Client ID: CAN 522 SHELF 8
Sample Location:

Date Collected: 05/24/18 16:00
Date Received: 05/25/18
Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Naphthalene | ND | 0.050 | -- | ND | 0.262 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.050 | -- | ND | 0.533 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-difluorobenzene | 80 | | 60-140 |
| bromochloromethane | 90 | | 60-140 |
| chlorobenzene-d5 | 80 | | 60-140 |



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**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310

**Lab Number:** L1820823
**Report Date:** 06/12/18

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| N/A | Absent |

### Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1820823-01A | Canister - 2.7 Liter | N/A | NA | | | Y | Absent | | TO15-LL(30) |
| L1820823-02A | Canister - 2.7 Liter | N/A | NA | | | Y | Absent | | TO15-LL(30) |
| L1820823-03A | Canister - 2.7 Liter | N/A | NA | | | Y | Absent | | TO15-LL(30) |



*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE. | **Lab Number:** | L1820823 |
| **Project Number:** | 17-310 | **Report Date:** | 06/12/18 |

## GLOSSARY

### *Acronyms*

| | |
|---|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

### *Footnotes*

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

### *Terms*

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

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

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

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

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

### *Data Qualifiers*

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

*Report Format:* Data Usability Report



TRIAL MODE - Click here for more information

| | | | |
|---|---|---|---|
| **Project Name:** | 480 FLUSHING AVE. | **Lab Number:** | L1820823 |
| **Project Number:** | 17-310 | **Report Date:** | 06/12/18 |

***Data Qualifiers***

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The lower value for the two columns has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report



TRIAL MODE - Click here for more information

**Project Name:** 480 FLUSHING AVE.
**Project Number:** 17-310
**Lab Number:** L1820823
**Report Date:** 06/12/18

## REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

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

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



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# Certification Information

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

**Westborough Facility**
**EPA 624:** m/p-xylene, o-xylene
**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
**EPA 8270D:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
**EPA 300:** DW: Bromide
**EPA 6860:** SCM: Perchlorate
**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation
**SM4500**: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

**Mansfield Facility**
**SM 2540D:** TSS
**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:**

***Drinking Water***
**EPA 300.0**: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
**EPA 332**: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

***Non-Potable Water***
**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
**EPA 624**: Volatile Halocarbons & Aromatics,
**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

**Mansfield Facility:**

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

***Non-Potable Water***
**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
**EPA 245.1** Hg.
**SM2340B**

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


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# AIR ANALYSIS

PAGE 1 OF 1

**CHAIN OF CUSTODY**

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

Date Rec'd in Lab: 6/6/18

ALPHA Job #: L8 20823

## Client Information

Client: Laurel Environmental Associates,
Address: 53 West Hills Rd, Suite 1
Huntington Sta., NY 11746
Phone: (631) 673-0612
Fax:
Email: Labresults@laurelenv.com

☐ These samples have been previously analyzed by Alpha

## Project Information

Project Name: 480 Flushing Ave
Project Location: 480 Flushing Ave, Brooklyn
Project #: 17-310
Project Manager: Ken Wenz
ALPHA Quote #:

## Turn-Around Time

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

Date Due: Time:

## Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☑ Additional Deliverables: NYSDEC EQuIS, ASPB Package, ADEx
Report to: (if different than Project Manager)

## Billing Information

☑ Same as Client info PO #: ~~17-310~~ 17-310/KW

## Regulatory Requirements/Report Limits

| State/Fed | Program | Res / Comm |
|---|---|---|
| | | |
| | | |
| | | |

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

**All Columns Below Must Be Filled Out**

| ALPHA Lab ID (Lab Use Only) | Sample ID | COLLECTION End Date | Start Time | End Time | Initial Vacuum | Final Vacuum | Sample Matrix* | Sampler's Initials | Can Size | I D Can | I D - Flow Controller | TO-15 | TO-15 SIM | APH ☐ Sulfated Non-petroleum HCs | Fixed Gases | Sulfides & Mercaptans by TO-15 | Sample Comments (i.e. PID) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20823.01 | SV-1 | 6/4/18 | 1220 | 1420 | -29.79 | -4.89 | SV | JB | 2.7L | 535 | 0876 | ✓ | | | | | PID: 9.8ppm |
| .02 | SV-2 | ↓ | 1140 | 1350 | -30.00 | -3.76 | ↓ | ↓ | ↓ | 2249 | 00034 | ✓ | | | | | ↓ : 5.2ppm |
| .03 | SV-3 | ↓ | ~~1240~~ 1150 | 1352 | -30.20 | -4.09 | ↓ | ↓ | ↓ | 400 | 0973 | ✓ | | | | | ↓ : 10.8ppm |

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

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

| Relinquished By: | Date/Time | Received By: | Date/Time: |
|---|---|---|---|
| | 6/5/18 1545 | | 6/5 1545 |
| | 6/5 2000 | | |
| | 06106118 0540 | | 06106118 0540 |

Form No: 101-02 Rev: (25-Sep-15)

# APPENDIX D

# Soil Boring Logs and Well Construction Diagrams

TRIAL MODE - Click here for more information

| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | Client: | Law Office of Theodore W. Firetog | WELL LOG | |
|---|---|---|---|---|
| | Project: | 17-310R3 | Well No. | SB-1 |
| | Address: | 480 Flushing Avenue, Brooklyn, NY | Page: | 1 of 2 |

| | | | | | |
|---|---|---|---|---|---|
| Drilling Start Date: | 06/04/2018 13:10 | Boring Depth (ft): | 20.0 | Well Depth (ft): | 20.0 |
| Drilling End Date: | 06/04/2018 13:25 | Boring Diameter (in): | 2.75 | Well Diameter (in): | 2.0 |
| Drilling Company: | Laurel Environmental Associates, Ltd. | Sampling Method(s): | Direct Push | Screen Slot (in): | 0.020 |
| Drilling Method: | Direct Push | DTW During Drilling (ft): | 14.0 | Riser Material: | Sch 40 PVC |
| Drilling Equipment: | Geoprobe | DTW After Drilling (ft): | 11.9 | Screen Material: | Sch 40 PVC Slotted |
| Driller: | Carlos Hernandez | Top of Casing Elev. (ft): | 12.00 | Seal Material(s): | Bent. Pellets |
| Logged By: | Jamie Burgher | Location (X,Y): | -74.04, 40.945556 | Filter Pack: | Sand Pack |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | WELL COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | DP | | | 0.00 | (0') Fill | 12.9 | SB-1A | 0 |
| | | | | DP | | | 0.00 | (2') Well-graded SAND with clay (SW-SC); some coarse grained sand, trace fine gravel, trace silt, medium dense, dry, brown | 3.5<br>1.3 | | |
| 5 | | | | DP | | | 0.00 | (5') Poorly graded SAND (SP); mostly coarse grained sand, trace clay, medium dense, dry, brown | 0.1 | | 5 |
| | | | | | | | | | 1.2 | | |
| 10 | | | | DP | | | 0.00 | (11') Poorly graded GRAVEL (GP); mostly coarse grained gravel, dense, dry, white | 2.4 | SB-1B | 10 |
| | | | | DP | | | 0.00 | (14') Well-graded SAND with clay (SW-SC); some coarse grained sand, few fine gravel, trace silt, trace clay, loose, wet, dark brown | 0.6<br>0.0 | | |
| 15 | | | | | | | | | | | 15 |
| 20 | | | | | | | | | | | 20 |

NOTES:

generated using LogitEasy.com

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| | | |
|---|---|---|
| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | **Client:** Law Office of Theodore W. Firetog<br>**Project:** 17-310R3<br>**Address:** 480 Flushing Avenue, Brooklyn, NY | **WELL LOG**<br>**Well No.** SB-1<br>**Page:** 2 of 2 |

| | | | | | |
|---|---|---|---|---|---|
| Drilling Start Date: | **06/04/2018 13:10** | Boring Depth (ft): | **20.0** | Well Depth (ft): | **20.0** |
| Drilling End Date: | **06/04/2018 13:25** | Boring Diameter (in): | **2.75** | Well Diameter (in): | **2.0** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** | Screen Slot (in): | **0.020** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **14.0** | Riser Material: | **Sch 40 PVC** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | **11.9** | Screen Material: | **Sch 40 PVC Slotted** |
| Driller: | **Carlos Hernandez** | Top of Casing Elev. (ft): | **12.00** | Seal Material(s): | **Bent. Pellets** |
| Logged By: | **Jamie Burgher** | Location (X,Y): | **-74.04, 40.945556** | Filter Pack: | **Sand Pack** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | WELL COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | | | | | | | (20') Boring terminated | | | 20 |
| 25 | | | | | | | | | | | 25 |
| 30 | | | | | | | | | | | 30 |
| 35 | | | | | | | | | | | 35 |
| 40 | | | | | | | | | | | 40 |

NOTES:

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| Laurel Environmental Associates, Ltd. | Client: Law Office of Theodore W. Firetog | BORING LOG |
|---|---|---|
| | Project: 17-310R3 | Boring No. SB-2 |
| | Address: 480 Flushing Avenue, Brooklyn, NY | Page: 1 of 2 |

| | | | |
|---|---|---|---|
| Drilling Start Date: | **06/05/2018 14:35** | Boring Depth (ft): | **20.0** |
| Drilling End Date: | **06/05/2018 15:15** | Boring Diameter (in): | **2.75** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **15.0** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | |
| Driller: | **Carlos Hernandez** | Ground Surface Elev. (ft): | **16.00** |
| Logged By: | **Sauvik Chakraborty** | Location (X,Y): | **-74.037778, 40.945278** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | BORING COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | DP | | | 0.00 | (0') Well-graded SAND with silt (SW-SM); mostly fine-medium grained sand, few silt, brown | 0.0 | | 0 |
| | | | | DP | | | 0.00 | (1') Well-graded SAND (SW); mostly medium grained sand, Greyish-brownish tan | 0.0 | | |
| | | | | DP | | | 0.00 | (2') Poorly graded SAND (SP); mostly coarse grained sand, light brown | 0.0 | SB-2A | |
| 5 | | | | DP | | | 0.00 | (5') Well-graded SAND (SW); some medium-coarse grained sand, light brown | 0.0 | | 5 |
| | | | | DP | | | 0.00 | (6') Well-graded SAND with silt (SW-SM); some fine-medium grained sand, trace fine gravel, few silt, few clay, light brown | 0.0 | | |
| | | | | DP | | | 0.00 | (8') Well-graded SAND with silt (SW-SM); some medium-coarse grained sand, few fine gravel, few clay, light brown | 0.0 | | |
| 10 | | | | DP | | | 0.00 | (11') Poorly graded SAND (SP); mostly coarse grained sand, Greyish (ashy) | 0.0 | | 10 |
| | | | | DP | | | 0.00 | (11.5') Clayey SAND (SC); some fine grained sand, little clay, poorly graded, wet, brown | 0.0 | SB-2B | |
| 15 | | ▽ | | DP | | | 0.00 | (15') Well-graded SAND (SW); some medium-coarse grained sand, few fine gravel, few silt, wet, brown | 0.0 | | 15 |
| 20 | | | | | | | | | | | 20 |

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| | | |
|---|---|---|
| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | **Client:** Law Office of Theodore W. Firetog<br>**Project:** 17-310R3<br>**Address:** 480 Flushing Avenue, Brooklyn, NY | **BORING LOG**<br>**Boring No.** SB-2<br>**Page:** 2 of 2 |

| | | | |
|---|---|---|---|
| Drilling Start Date: | **06/05/2018 14:35** | Boring Depth (ft): | **20.0** |
| Drilling End Date: | **06/05/2018 15:15** | Boring Diameter (in): | **2.75** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **15.0** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | |
| Driller: | **Carlos Hernandez** | Ground Surface Elev. (ft): | **16.00** |
| Logged By: | **Sauvik Chakraborty** | Location (X,Y): | **-74.037778, 40.945278** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | BORING COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | | | | | | | (20') Boring terminated | | | 20 |
| 25 | | | | | | | | | | | 25 |
| 30 | | | | | | | | | | | 30 |
| 35 | | | | | | | | | | | 35 |
| 40 | | | | | | | | | | | 40 |

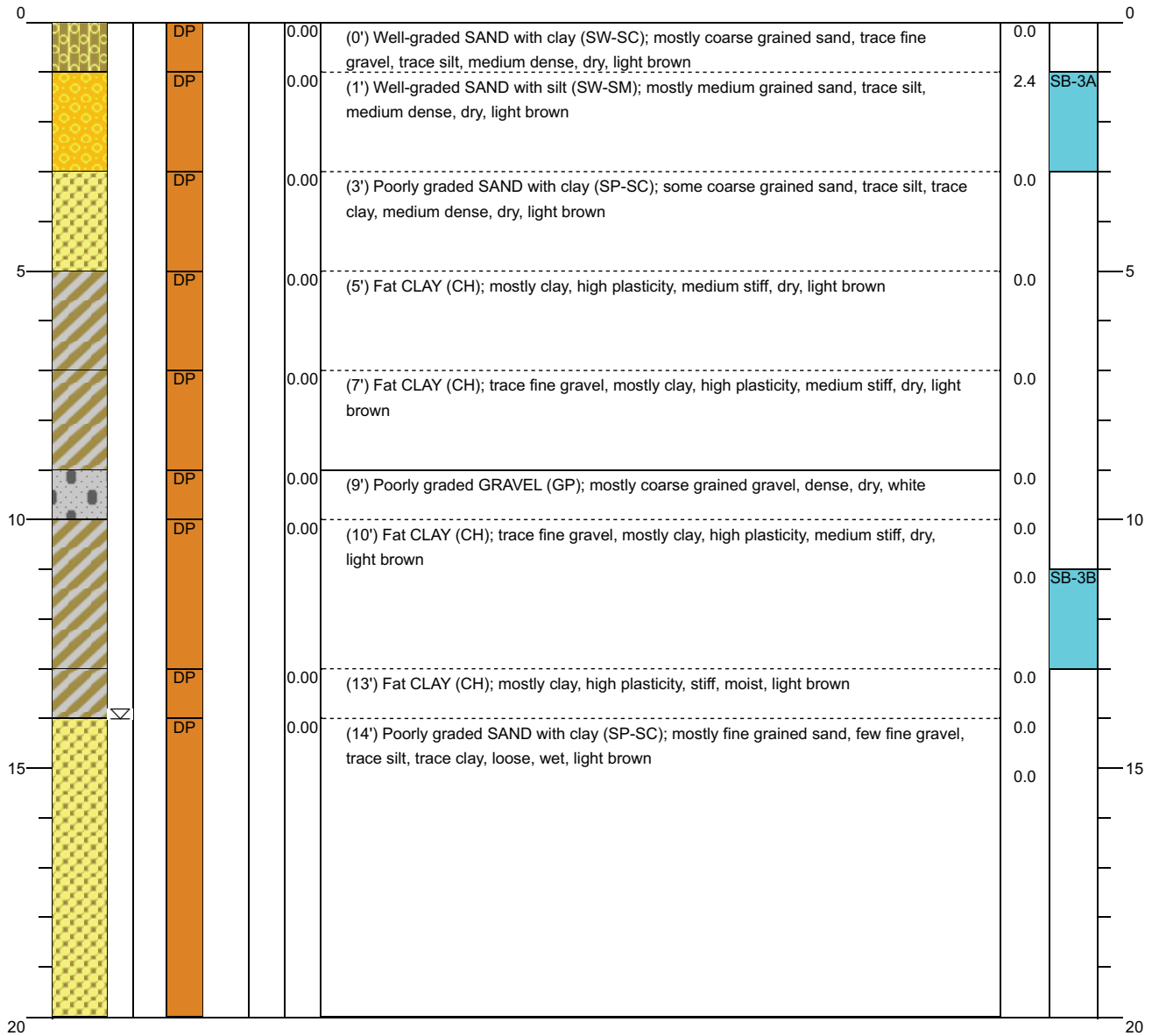
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| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | Client: Law Office of Theodore W. Firetog | BORING LOG |
|---|---|---|
| | Project: 17-310R3 | Boring No. SB-3 |
| | Address: 480 Flushing Avenue, Brooklyn, NY | Page: 1 of 2 |

| | | | |
|---|---|---|---|
| Drilling Start Date: | **06/05/2018 10:25** | Boring Depth (ft): | **20.0** |
| Drilling End Date: | **06/05/2018 10:40** | Boring Diameter (in): | **2.75** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **14.0** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | |
| Driller: | **Carlos Hernandez** | Ground Surface Elev. (ft): | **16.00** |
| Logged By: | **Jamie Burgher** | Location (X,Y): | **-74.038611, 40.943333** |




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| | | |
|---|---|---|
| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | **Client:** Law Office of Theodore W. Firetog<br>**Project:** 17-310R3<br>**Address:** 480 Flushing Avenue, Brooklyn, NY | **BORING LOG**<br>**Boring No.** SB-3<br>**Page:** 2 of 2 |

| | | | |
|---|---|---|---|
| Drilling Start Date: | **06/05/2018 10:25** | Boring Depth (ft): | **20.0** |
| Drilling End Date: | **06/05/2018 10:40** | Boring Diameter (in): | **2.75** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **14.0** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | |
| Driller: | **Carlos Hernandez** | Ground Surface Elev. (ft): | **16.00** |
| Logged By: | **Jamie Burgher** | Location (X,Y): | **-74.038611, 40.943333** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | BORING COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | | | | | | | (20') Boring terminated | | | 20 |
| 25 | | | | | | | | | | | 25 |
| 30 | | | | | | | | | | | 30 |
| 35 | | | | | | | | | | | 35 |
| 40 | | | | | | | | | | | 40 |

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| | | | |
|---|---|---|---|
| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | **Client:** | **Law Office of Theodore W. Firetog** | **WELL LOG** |
| | **Project:** | **17-310R3** | **Well No.** **SB-4** |
| | **Address:** | **480 Flushing Avenue, Brooklyn, NY** | **Page:** **1 of 2** |

| | | | | | |
|---|---|---|---|---|---|
| Drilling Start Date: | **06/04/2018 09:10** | Boring Depth (ft): | **20.0** | Well Depth (ft): | **20.0** |
| Drilling End Date: | **06/04/2018 10:10** | Boring Diameter (in): | **2.75** | Well Diameter (in): | **2.0** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** | Screen Slot (in): | **0.020** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **15.0** | Riser Material: | **Sch 40 PVC** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | **11.7** | Screen Material: | **Sch 40 PVC Slotted** |
| Driller: | **Carlos Hernandez** | Top of Casing Elev. (ft): | **16.00** | Seal Material(s): | **Bent. Pellets** |
| Logged By: | **Jamie Burgher** | Location (X,Y): | **-74.035278, 40.943056** | Filter Pack: | **Sand Pack** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | WELL COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | DP | 09:10 | | 0.00 | (0') Fill | 0.0 | | 0 |
| | | | | DP | | | 0.00 | (1') Poorly graded GRAVEL (GP); mostly coarse grained gravel, trace medium-coarse sand, medium dense, brown | 0.0 | | |
| | | | | DP | | | 0.00 | (3') Silty SAND (SM); mostly fine grained sand, trace silt, poorly graded, loose, pale brown | 0.0 | | |
| 5 | | | | DP | | | 0.00 | (5') Poorly graded SAND (SP); mostly coarse grained sand, trace silt, loose, dry, light brown | 2.2 | SB-4A | 5 |
| | | | | DP | | | 0.00 | (6') Fat CLAY (CH); mostly clay, high plasticity, stiff, dry, light brown | 1.8 | | |
| 10 | | | | | | | | | 1.0 | | 10 |
| | | | | DP | | | 0.00 | (11') Fill | 0.0 | | |
| | | | | DP | | | 0.00 | (12') Poorly graded GRAVEL with silt and sand (GP-GM); some coarse grained gravel, some fine sand, trace silt, medium dense, light brown | 0.0 | SB-4B | |
| 15 | | | | DP | | | 0.00 | (15') Poorly graded SAND with clay (SP-SC); mostly medium grained sand, trace silt, trace clay, medium dense, wet, dark brown | 0.0 | | 15 |
| 20 | | | | | | | | | | | 20 |

NOTES: Hole precleared using other.

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| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | Client: Law Office of Theodore W. Firetog | WELL LOG |
|---|---|---|
| | Project: 17-310R3 | Well No. SB-4 |
| | Address: 480 Flushing Avenue, Brooklyn, NY | Page: 2 of 2 |

| | | | | | |
|---|---|---|---|---|---|
| Drilling Start Date: | **06/04/2018 09:10** | Boring Depth (ft): | **20.0** | Well Depth (ft): | **20.0** |
| Drilling End Date: | **06/04/2018 10:10** | Boring Diameter (in): | **2.75** | Well Diameter (in): | **2.0** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** | Screen Slot (in): | **0.020** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **15.0** | Riser Material: | **Sch 40 PVC** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | **11.7** | Screen Material: | **Sch 40 PVC Slotted** |
| Driller: | **Carlos Hernandez** | Top of Casing Elev. (ft): | **16.00** | Seal Material(s): | **Bent. Pellets** |
| Logged By: | **Jamie Burgher** | Location (X,Y): | **-74.035278, 40.943056** | Filter Pack: | **Sand Pack** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | WELL COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | | | | | | | (20') Boring terminated | | | 20 |
| 25 | | | | | | | | | | | 25 |
| 30 | | | | | | | | | | | 30 |
| 35 | | | | | | | | | | | 35 |
| 40 | | | | | | | | | | | 40 |

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| Laurel Environmental Associates, Ltd. | Client: Law Office of Theodore W. Firetog | BORING LOG |
|---|---|---|
| | Project: 17-310R3 | Boring No. SB-5 |
| | Address: 480 Flushing Avenue, Brooklyn, NY | Page: 1 of 2 |

| | | | |
|---|---|---|---|
| Drilling Start Date: | **06/05/2018 11:20** | Boring Depth (ft): | **20.0** |
| Drilling End Date: | **06/05/2018 11:50** | Boring Diameter (in): | **2.75** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **12.0** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | |
| Driller: | **Carlos Hernandez** | Ground Surface Elev. (ft): | **16.00** |
| Logged By: | **Jamie Burgher** | Location (X,Y): | **-74.036667, 40.942222** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | BORING COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | DP | | | 0.00 | (0') Well-graded SAND with clay (SW-SC); some coarse grained sand, few silt, loose, dry, dark brown | 0.0 | | 0 |
| | | | | DP | | | 0.00 | (1') Concrete | 0.0 | | |
| | | | | DP | | | 0.00 | (2') Well-graded SAND (SW); some coarse grained sand, trace silt, loose, dry, black | 7.8 | SB-5A | |
| 5 | | | | DP | | | 0.00 | (5') Well-graded SAND with silt (SW-SM); some coarse grained sand, trace silt, loose, dry, dark brown | 0.0 | | 5 |
| | | | | DP | | | 0.00 | (6') Fat CLAY (CH); mostly clay, high plasticity, medium stiff, moist, light brown | 0.0 | | |
| 10 | | ▽ | | DP | | | 0.00 | (11') Poorly graded GRAVEL (GP); mostly coarse grained gravel, dense, dry, gray | 0.0 | | 10 |
| | | | | DP | | | 0.00 | (12') Silty SAND (SM); some coarse grained sand, trace fine gravel, few silt, few clay, well-graded, medium dense, wet, light brown | 0.0 | SB-5B | |
| 15 | | | | | | | | | | | 15 |
| 20 | | | | | | | | | | | 20 |

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|---|---|---|
| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | **Client:** Law Office of Theodore W. Firetog<br>**Project:** 17-310R3<br>**Address:** 480 Flushing Avenue, Brooklyn, NY | **BORING LOG**<br>**Boring No.** SB-5<br>**Page:** 2 of 2 |

| | | | |
|---|---|---|---|
| Drilling Start Date: | **06/05/2018 11:20** | Boring Depth (ft): | **20.0** |
| Drilling End Date: | **06/05/2018 11:50** | Boring Diameter (in): | **2.75** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **12.0** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | |
| Driller: | **Carlos Hernandez** | Ground Surface Elev. (ft): | **16.00** |
| Logged By: | **Jamie Burgher** | Location (X,Y): | **-74.036667, 40.942222** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | BORING COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | | | | | | | (20') Boring terminated | | | 20 |
| 25 | | | | | | | | | | | 25 |
| 30 | | | | | | | | | | | 30 |
| 35 | | | | | | | | | | | 35 |
| 40 | | | | | | | | | | | 40 |

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| Laurel Environmental Associates, Ltd. | Client: Law Office of Theodore W. Firetog | BORING LOG |
|---|---|---|
| | Project: 17-310R3 | Boring No. SB-6 |
| | Address: 480 Flushing Avenue, Brooklyn, NY | Page: 1 of 2 |

| | | | |
|---|---|---|---|
| Drilling Start Date: | **06/05/2018 13:20** | Boring Depth (ft): | **20.0** |
| Drilling End Date: | **06/27/2018 14:00** | Boring Diameter (in): | **2.75** |
| Drilling Company: | **Laurel Environmental Associates, Ltd** | Sampling Method(s): | **Direct Push** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **14.5** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | |
| Driller: | **Carlos Hernandez** | Ground Surface Elev. (ft): | **16.00** |
| Logged By: | **Sauvik Chakraborty** | Location (X,Y): | **-74.036667, 40.943333** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | BORING COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | DP | | | 0.00 | (0') Well-graded SAND (SW); some coarse grained sand, few fine gravel, light brown | 0.0 | | 0 |
| | | | | DP | | | 0.00 | (1') SILT (ML); few fine-medium sand, some silt, some clay, light brown | 0.0 | | |
| | | | | | | | | | | SB-6A | |
| 5 | | | | DP | | | 0.00 | (5') Poorly graded SAND with silt (SP-SM); mostly medium grained sand, few silt, Greyish-brown | 0.0 | | 5 |
| | | | | DP | | | 0.00 | (6') Poorly graded SAND (SP); mostly medium grained sand, gray | 0.0 | | |
| | | | | DP | | | 0.00 | (6.5') Fat CLAY (CH); mostly clay, high plasticity, brown | 0.0 | | |
| | | | | DP | | | 0.00 | (8') Silty SAND (SM); some medium grained sand, few silt, few clay, well-graded, brown | 0.0 | | |
| 10 | | | | DP | | | 0.00 | (10') Poorly graded SAND (SP); mostly fine grained sand, light brown | 0.0 | | 10 |
| | | | | DP | | | 0.00 | (11') Well-graded SAND (SW); mostly medium grained sand, few fine gravel, dark brown | 0.0 | | |
| | | | | DP | | | 0.00 | (12') Well-graded SAND (SW); mostly coarse grained sand, few fine gravel, Golden-brownish tan | 0.0 | | |
| | | | | DP | | | 0.00 | (12.5') Poorly graded SAND with clay (SP-SC); mostly fine grained sand, brown | 0.0 | SB-6B | |
| 15 | | | | DP | | | 0.00 | (14.5') Well-graded SAND (SW); mostly medium-coarse grained sand, few coarse gravel, saturated, dark brown | 0.0 | | 15 |
| | | | | DP | | | 0.00 | (15') Well-graded SAND with silt (SW-SM); mostly medium grained sand, few fine gravel, few silt, wet, light brown | 0.0 | | |
| | | | | DP | | | 0.00 | (18') Gravelly lean CLAY (CL); few fine-coarse gravel, few medium sand, mostly clay, medium plasticity, wet, dark brown | 0.0 | | |
| 20 | | | | | | | | | | | 20 |

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|---|---|---|
| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | **Client:** Law Office of Theodore W. Firetog<br>**Project:** 17-310R3<br>**Address:** 480 Flushing Avenue, Brooklyn, NY | **BORING LOG**<br>**Boring No.** SB-6<br>**Page:** 2 of 2 |

| | | | |
|---|---|---|---|
| Drilling Start Date: | **06/05/2018 13:20** | Boring Depth (ft): | **20.0** |
| Drilling End Date: | **06/27/2018 14:00** | Boring Diameter (in): | **2.75** |
| Drilling Company: | **Laurel Environmental Associates, Ltd** | Sampling Method(s): | **Direct Push** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **14.5** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | |
| Driller: | **Carlos Hernandez** | Ground Surface Elev. (ft): | **16.00** |
| Logged By: | **Sauvik Chakraborty** | Location (X,Y): | **-74.036667, 40.943333** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | BORING COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | | | | | | | (20') Boring terminated | | | 20 |
| 25 | | | | | | | | | | | 25 |
| 30 | | | | | | | | | | | 30 |
| 35 | | | | | | | | | | | 35 |
| 40 | | | | | | | | | | | 40 |

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| Laurel Environmental Associates, Ltd. | Client: | Law Office of Theodore W. Firetog | WELL LOG |
|---|---|---|---|
| | Project: | 17-310R3 | Well No. SB-7 |
| | Address: | 480 Flushing Avenue, Brooklyn, NY | Page: 1 of 2 |

| | | | | | |
|---|---|---|---|---|---|
| Drilling Start Date: | 06/04/2018 12:05 | Boring Depth (ft): | 20.0 | Well Depth (ft): | |
| Drilling End Date: | 06/04/2018 12:15 | Boring Diameter (in): | 2.75 | Well Diameter (in): | 2.0 |
| Drilling Company: | Laurel Environmental Associates, Ltd. | Sampling Method(s): | Direct Push | Screen Slot (in): | 0.020 |
| Drilling Method: | Direct Push | DTW During Drilling (ft): | 14.0 | Riser Material: | Sch 40 PVC |
| Drilling Equipment: | Geoprobe | DTW After Drilling (ft): | 10.6 | Screen Material: | Sch 40 PVC Slotted |
| Driller: | Carlos Hernandez | Top of Casing Elev. (ft): | | Seal Material(s): | Bent. Pellets |
| Logged By: | Jamie Burgher | Location (X,Y): | | Filter Pack: | Sand Pack |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | WELL COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | DP | | | 0.00 | (0') Poorly graded SAND with clay (SP-SC); mostly fine grained sand, trace silt, loose, dry, dark brown | 0.2 | | 0 |
| | | | | DP | | | 0.00 | (2') Poorly graded SAND with clay (SP-SC); mostly fine grained sand, medium dense, dry, brown | 0.1 | | |
| | | | | DP | | | 0.00 | (4') Fat CLAY (CH); mostly clay, high plasticity, stiff, dry, brown | 2.7 | SB-7A | |
| 5 | | | | | | | | | 1.9 | | 5 |
| | | | | DP | | | 0.00 | (7') Poorly graded GRAVEL (GP); mostly coarse grained gravel, dense, dry, White | 0.0 | | |
| 10 | | ▼ | | DP | | | 0.00 | (10') Poorly graded SAND with clay (SP-SC); mostly coarse grained sand, trace silt, medium dense, dry, brown | 1.2 | | 10 |
| | | | | DP | | | 0.00 | (12') Poorly graded GRAVEL (GP); mostly coarse grained gravel, dense, dry, Pink | 0.0 | SB-7B | |
| | | ▽ | | DP | | | 0.00 | (14') Silty SAND (SM); some coarse grained sand, trace fine gravel, trace silt, well-graded, medium dense, wet, brown | 0.8 | | |
| 15 | | | | | | | | | 0.0 | | 15 |
| | | | | DP | | | 0.00 | (19') Well-graded SAND with clay (SW-SC); some coarse grained sand, trace fine gravel, trace silt, medium dense, wet, black | 0.0 | | |
| 20 | | | | | | | | | | | 20 |

NOTES:

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TRIAL MODE - Click here for more information

| | | |
|---|---|---|
| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | **Client:** Law Office of Theodore W. Firetog<br>**Project:** 17-310R3<br>**Address:** 480 Flushing Avenue, Brooklyn, NY | **WELL LOG**<br>**Well No.** SB-7<br>**Page:** 2 of 2 |

| | | | | | |
|---|---|---|---|---|---|
| Drilling Start Date: | **06/04/2018 12:05** | Boring Depth (ft): | **20.0** | Well Depth (ft): | |
| Drilling End Date: | **06/04/2018 12:15** | Boring Diameter (in): | **2.75** | Well Diameter (in): | **2.0** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** | Screen Slot (in): | **0.020** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **14.0** | Riser Material: | **Sch 40 PVC** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | **10.6** | Screen Material: | **Sch 40 PVC Slotted** |
| Driller: | **Carlos Hernandez** | Top of Casing Elev. (ft): | | Seal Material(s): | **Bent. Pellets** |
| Logged By: | **Jamie Burgher** | Location (X,Y): | | Filter Pack: | **Sand Pack** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | WELL COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | | | | | | | (20') Boring terminated | | | 20 |
| 25 | | | | | | | | | | | 25 |
| 30 | | | | | | | | | | | 30 |
| 35 | | | | | | | | | | | 35 |
| 40 | | | | | | | | | | | 40 |

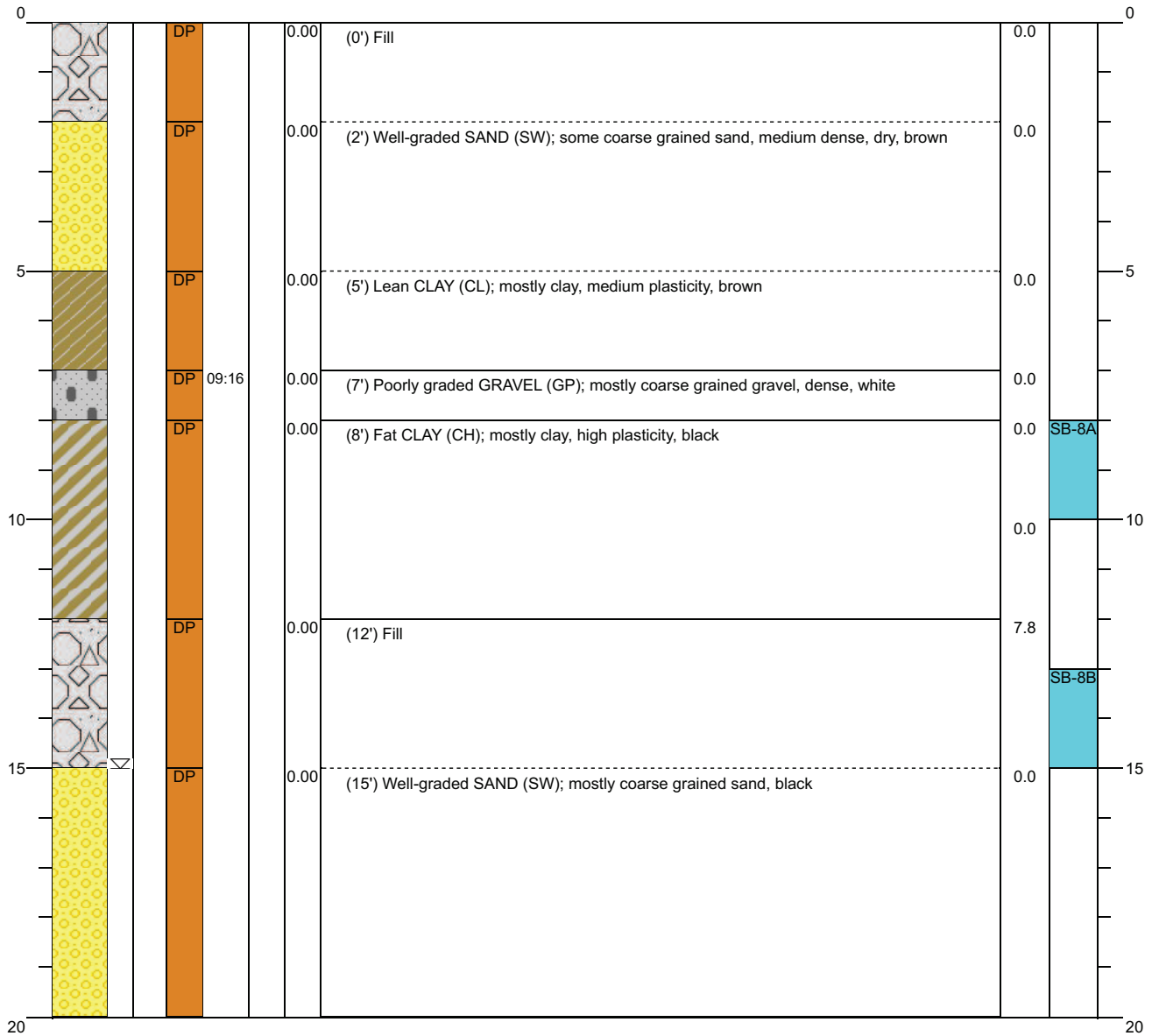
NOTES:

*generated using LogitEasy.com*

TRIAL MODE - Click here for more information

| Laurel Environmental Associates, Ltd. | Client: Law Office of Theodore W. Firetog | BORING LOG |
|---|---|---|
| | Project: 17-310R3 | Boring No. SB-8 |
| | Address: 480 Flushing Avenue, Brooklyn, NY | Page: 1 of 2 |

| | | | |
|---|---|---|---|
| Drilling Start Date: | **06/05/2018 12:10** | Boring Depth (ft): | **20.0** |
| Drilling End Date: | **06/05/2018 12:40** | Boring Diameter (in): | **2.75** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **15.0** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | |
| Driller: | **Carlos Hernandez** | Ground Surface Elev. (ft): | **16.00** |
| Logged By: | **Jamie Burgher** | Location (X,Y): | **-74.037222, 40.945278** |




NOTES:

*generated using LogitEasy.com*

TRIAL MODE - Click here for more information

| | | |
|---|---|---|
| Laurel ENVIRONMENTAL ASSOCIATES, LTD. | **Client:** Law Office of Theodore W. Firetog<br>**Project:** 17-310R3<br>**Address:** 480 Flushing Avenue, Brooklyn, NY | **BORING LOG**<br>**Boring No.** SB-8<br>**Page:** 2 of 2 |

| | | | |
|---|---|---|---|
| Drilling Start Date: | **06/05/2018 12:10** | Boring Depth (ft): | **20.0** |
| Drilling End Date: | **06/05/2018 12:40** | Boring Diameter (in): | **2.75** |
| Drilling Company: | **Laurel Environmental Associates, Ltd.** | Sampling Method(s): | **Direct Push** |
| Drilling Method: | **Direct Push** | DTW During Drilling (ft): | **15.0** |
| Drilling Equipment: | **Geoprobe** | DTW After Drilling (ft): | |
| Driller: | **Carlos Hernandez** | Ground Surface Elev. (ft): | **16.00** |
| Logged By: | **Jamie Burgher** | Location (X,Y): | **-74.037222, 40.945278** |

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | BORING COMPLETION | COLLECT: Sample Type | COLLECT: Time | COLLECT: Blow Counts | COLLECT: Recovery (ft) | SOIL/ROCK VISUAL DESCRIPTION | MEASURE: PID (ppm) | MEASURE: Lab Sample | DEPTH (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | | | | | | | (20') Boring terminated | | | 20 |
| 25 | | | | | | | | | | | 25 |
| 30 | | | | | | | | | | | 30 |
| 35 | | | | | | | | | | | 35 |
| 40 | | | | | | | | | | | 40 |

NOTES:

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Laurel
ENVIRONMENTAL
ASSOCIATES, LTD.

# BORING AND WELL LOG LEGEND

| LITHOLOGY | WATER LEVEL | WELL/BORING COMPLETION | Sample Type | DESCRIPTION |
|---|---|---|---|---|
| | | | | ASPHALT |
| | | | | CONCRETE |
| | | | | BEDROCK |
| | | | | IGNEOUS Rock |
| | | | | METAMORPHIC Rock |
| | | | | SEDIMENTARY Rock |
| | | | | Well-graded GRAVEL (GW) |
| | | | | Poorly graded GRAVEL (GP) |
| | | | | Silty GRAVEL (GM) |
| | | | | Clayey GRAVEL (GC) |
| | | | | Well-graded GRAVEL with silt (GW-GM) |
| | | | | Poorly graded GRAVEL with silt (GP-GM) |
| | | | | Well-graded GRAVEL with clay (GW-GC) |
| | | | | Poorly graded GRAVEL with clay (GP-GC) |
| | | | | Well-graded SAND (SW) |
| | | | | Poorly graded SAND (SP) |
| | | | | Silty SAND (SM) |
| | | | | Clayey SAND (SC) |
| | | | | Well-graded SAND with silt (SW-SM) |
| | | | | Poorly graded SAND with silt (SP-SM) |
| | | | | Well-graded SAND with clay (SW-SC) |
| | | | | Poorly graded SAND with clay (SP-SC) |
| | | | | SILT (ML) |
| | | | | Lean CLAY (CL) |
| | | | | Organic SOIL (OL) |
| | | | | Elastic SILT (MH) |
| | | | | Fat CLAY (CH) |
| | | | | Organic SOIL (OH) |
| | | | | Organic SOIL (OL/OH) |
| | | | | PEAT (PT) |
| | | | | Volume Descriptors: |
| | | | | Trace = <5% |
| | | | | Few = 5-10% |
| | | | | Little = 15-25% |
| | | | | Some = 30-45% |
| | | | | Mostly = >=50% |
| | ▽ | | | Water Level During Drilling |
| | ▼ | | | Water Level at End of Drilling/in Completed Well |
| | | | | Cap |
| | | | | Riser |
| | | | | Screen |
| | | | | End Plug |
| | | | | Annular Seal (Bentonite-Cement Grout, Bentonite Slurry/Chips/Pellets/Powder, Other) |
| | | | | Sanitary Seal (Bentonite Slurry/Chips/Pellets/Powder, Other) |
| | | | | Filter Pack (Sand, Gravel, Other) |
| | | | | Backfill |
| | | | GR | Grab |
| | | | EN | Encore |
| | | | SS | Split Spoon |
| | | | SH | Shelby Tube |
| | | | CO | Core Barrel |
| | | | DP | Direct Push |
| | | | ID | Lab Sample and ID |

NOTES:

TRIAL MODE - Click here for more information

# LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

## Monitoring Well Installation Log

| | | | |
|---|---|---|---|
| Client: | 480 FLUSHING LLC | Well ID: | MW-A |
| Site Location: | 480 Flushing Avenue, Brooklyn, NY | Well Location: | See Sketch |
| Job#: | 17-310 | Surface Elev. (ft): | 16 |
| Geologist: | Jamie Burgher | DTW (ft) : | 11.570 |
| Driller: | Carlos Hernandez | Drill Rig: | Geoprobe 6712DT |
| Weather: | Cloudy | Drill Method: | Direct Push |
| Temp: | 55 Degrees Fahrenheit | Sample Type: | Split_____ |
| Date: | 6/4/2018 | | Grab_____ |
| *All measurements taken from top of well casing | | | Core_X__ |

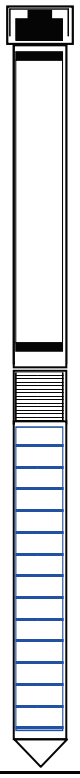
| DEPTH (ft) | WELL | WELL MATERIAL | FILL MATERIAL | SOIL DESCRIPTION/REMARKS |
|---|---|---|---|---|
| |  | | | |
| 0 | | Locking J-Plug | Bolt-Down MH | |
| 1 | | 2" Sch. 40 Riser | Concrete | |
| 2 | | 2" Sch. 40 Riser | Bentonite | |
| 3 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 4 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 5 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 6 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 7 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 8 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 9 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 10 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 11 | | 2" .020" Slot Screen | #2 Well Gravel | GW measured to be 11.570 feet below surface |
| 12 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 13 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 14 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 15 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 16 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 17 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 18 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 19 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 20 | | Endcap | #2 Well Gravel | |

TRIAL MODE - Click here for more information

# LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

## Monitoring Well Installation Log

| | | | |
|---|---|---|---|
| Client: | 480 FLUSHING LLC | Well ID: | MW-B |
| Site Location: | 480 Flushing Avenue, Brooklyn, NY | Well Location: | See Sketch |
| Job#: | 17-310 | Surface Elev. (ft): | 16 |
| Geologist: | Jamie Burgher | DTW (ft) : | 11.740 |
| Driller: | Carlos Hernandez | Drill Rig: | Geoprobe 6712DT |
| Weather: | Cloudy | Drill Method: | Direct Push |
| Temp: | 55 Degrees Fahrenheit | Sample Type: | Split_____ |
| Date: | 6/4/2018 | | Grab_____ |
| *All measurements taken from top of well casing | | | Core_X__ |

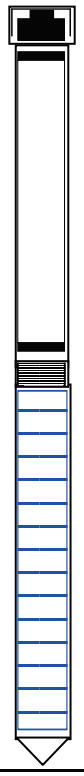
| DEPTH (ft) | WELL | WELL MATERIAL | FILL MATERIAL | SOIL DESCRIPTION/REMARKS |
|---|---|---|---|---|
| |  | | | |
| 0 | | Locking J-Plug | Bolt-Down MH | |
| 1 | | 2" Sch. 40 Riser | Concrete | |
| 2 | | 2" Sch. 40 Riser | Bentonite | |
| 3 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 4 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 5 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 6 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 7 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 8 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 9 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 10 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 11 | | 2" .020" Slot Screen | #2 Well Gravel | GW measured to be 11.740 feet below surface |
| 12 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 13 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 14 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 15 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 16 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 17 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 18 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 19 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 20 | | Endcap | #2 Well Gravel | |

TRIAL MODE - Click here for more information

# LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

## Monitoring Well Installation Log

| | | | |
|---|---|---|---|
| Client: | 480 FLUSHING LLC | Well ID: | MW-C |
| Site Location: | 480 Flushing Avenue, Brooklyn, NY | Well Location: | See Sketch |
| Job#: | 17-310 | Surface Elev. (ft): | 16 |
| Geologist: | Jamie Burgher | DTW (ft) : | 10.545 |
| Driller: | Carlos Hernandez | Drill Rig: | Geoprobe 6712DT |
| Weather: | Cloudy | Drill Method: | Direct Push |
| Temp: | 55 Degrees Fahrenheit | Sample Type: | Split_____ |
| Date: | 6/4/2018 | | Grab_____ |
| *All measurements taken from top of well casing | | | Core_X__ |

| DEPTH (ft) | WELL | WELL MATERIAL | FILL MATERIAL | SOIL DESCRIPTION/REMARKS |
|---|---|---|---|---|
| |  | | | |
| 0 | | Locking J-Plug | Bolt-Down MH | |
| 1 | | 2" Sch. 40 Riser | Concrete | |
| 2 | | 2" Sch. 40 Riser | Bentonite | |
| 3 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 4 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 5 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 6 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 7 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 8 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 9 | | 2" Sch. 40 Riser | #2 Well Gravel | |
| 10 | | 2" .020" Slot Screen | #2 Well Gravel | GW measured to be 10.545 feet below surface |
| 11 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 12 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 13 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 14 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 15 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 16 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 17 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 18 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 19 | | 2" .020" Slot Screen | #2 Well Gravel | |
| 20 | | Endcap | #2 Well Gravel | |

TRIAL MODE - Click here for more information

# APPENDIX E

# Data Usability Summary Reports

TRIAL MODE - Click here for more information

# ***APPENDIX - I***

## *SVI ACCESS LETTERS AND DOCUMENTATION*

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

March 13, 2020

Better Plastics Corp
495-497 Flushing Avenue
Brooklyn, NY

***Re: Soil Vapor Intrusion Sampling***
***497 Flushing Avenue, Brooklyn, NY 11205***
***Block 2263 Lot 71***

To Whom It May Concern:

The New York State Department of Environmental Conservation (DEC) and the New York State Department of Health (DOH) requested that the current owner of the property at 480 Flushing Avenue perform soil vapor intrusion sampling at the 497 Flushing Avenue property.

To complete this work, we will require access to the cellar level of the building and approval to drill a ½ inch hole in the center of the building slab. A tube will be inserted into this hole and connected to a vacuum canister. A second canister will be placed in the breathing zone of the cellar. Both canisters will draw in a sample of air over a 24 hr period (residential occupancy) or 8 hr period (commercial occupancy) after which we will retrieve the canisters and seal the hole.

Please respond in writing that access will be granted. Also please advise if there are any tenants that we will need to arrange access with and how to contact them. If you have any questions or require additional information please contact me.

Very truly yours,
**Environmental Business Consultants**

Chawinie Reilly
Senior Project Manager

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

March 13, 2020

Owner
505 Flushing Avenue
Brooklyn, NY 11205

***Re:*** ***Soil Vapor Intrusion Sampling***
***505 Flushing Avenue, Brooklyn, NY 11205***
***Block 2263 Lot 7508 (formerly Lots 61 &62)***

To Whom It May Concern:

The New York State Department of Environmental Conservation (DEC) and the New York State Department of Health (DOH) requested that the current owner of the property at 480 Flushing Avenue perform soil vapor intrusion sampling at the 505 Flushing Avenue property.

To complete this work, we will require access to the cellar level of the building and approval to drill a ½ inch hole in the center of the building slab. A tube will be inserted into this hole and connected to a vacuum canister. A second canister will be placed in the breathing zone of the cellar. Both canisters will draw in a sample of air over a 24 hr period (residential occupancy) or 8 hr period (commercial occupancy) after which we will retrieve the canisters and seal the hole.

Please respond in writing that access will be granted. Also please advise if there are any tenants that we will need to arrange access with and how to contact them. If you have any questions or require additional information please contact me.

Very truly yours,
**Environmental Business Consultants**

Chawinie Reilly
Senior Project Manager


1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

March 13, 2020

490 Flushing Avenue LLC
490 Flushing Avenue
Brooklyn, NY 11205

***Re:*** ***Soil Vapor Intrusion Sampling***
***486 Flushing Avenue, Brooklyn, NY***
***Block 1717 Lot 29***

To Whom It May Concern:

The New York State Department of Environmental Conservation (DEC) and the New York State Department of Health (DOH) requested that the current owner of the property at 480 Flushing Avenue perform soil vapor intrusion sampling at the 486 Flushing Avenue property.

To complete this work, we will require access to the cellar level of the building and approval to drill a ½ inch hole in the center of the building slab. A tube will be inserted into this hole and connected to a vacuum canister. A second canister will be placed in the breathing zone of the cellar. Both canisters will draw in a sample of air over a 24 hr period (residential occupancy) or 8 hr period (commercial occupancy) after which we will retrieve the canisters and seal the hole.

Please respond in writing that access will be granted. Also please advise if there are any tenants that we will need to arrange access with and how to contact them. If you have any questions or require additional information please contact me.

Very truly yours,
**Environmental Business Consultants**



Chawinie Reilly
Senior Project Manager

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870



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Return Receipt (hardcopy) $2.85
Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $1.20
Total Postage and Fees $7.60
0961
65
Postmark Here
04/14/2020
Sent To Owner
Street and Apt. No., or PO Box No. 581 Flushing Ave
City, State, ZIP+4® Brooklyn NY 11205
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
7020 0090 0001 5810 5578

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CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
BROOKLYN NY 11205
OFFICIAL USE
Certified Mail Fee $3.55
Extra Services & Fees (check box, add fee as appropriate)
Return Receipt (hardcopy) $2.85
Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $1.20
Total Postage and Fees $7.60
0961
65
Postmark Here
04/14/2020
Sent To
Street and Apt. No., or PO Box No. 1490 Flushing Ave
City, State, ZIP+4® Brooklyn NY 11205
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
7020 0090 0001 5810 5592

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
BROOKLYN NY 11205
OFFICIAL USE
Certified Mail Fee $3.55
Extra Services & Fees (check box, add fee as appropriate)
Return Receipt (hardcopy) $2.85
Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $1.20
Total Postage and Fees $7.60
0961
65
Postmark Here
04/14/2020
Sent To Bobby Digital Corp
Street and Apt. No., or PO Box No. 495-497 Flushing Ave
City, State, ZIP+4® Brooklyn NY 11205
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
7020 0090 0001 5810 5585

June 1, 2021

Owner
505 Flushing Avenue
Brooklyn, NY 11205

***Re: Soil Vapor Intrusion Sampling***
***505 Flushing Avenue, Brooklyn, NY 11205***
***Block 2263 Lot 7508 (formerly Lots 61 &62)***

To Whom It May Concern:

The New York State Department of Environmental Conservation (DEC) and the New York State Department of Health (DOH) requested that the current owner of the property at 480 Flushing Avenue perform soil vapor intrusion sampling at the 505 Flushing Avenue property.

To complete this work, we will require access to the cellar level of the building and approval to drill a ½ inch hole in the center of the building slab. A tube will be inserted into this hole and connected to a vacuum canister. A second canister will be placed in the breathing zone of the cellar. Both canisters will draw in a sample of air over a 24 hr period (residential occupancy) or 8 hr period (commercial occupancy) after which we will retrieve the canisters and seal the hole.

Please respond in writing that access will be granted. Also please advise if there are any tenants that we will need to arrange access with and how to contact them. If you have any questions or require additional information please contact me.

Very truly yours,
**Environmental Business Consultants**

Chawinie Reilly
Senior Project Manager


1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

June 1, 2021

490 Flushing Avenue LLC
490 Flushing Avenue
Brooklyn, NY 11205

***Re:*** ***Soil Vapor Intrusion Sampling***
***486 Flushing Avenue, Brooklyn, NY***
***Block 1717 Lot 29***

To Whom It May Concern:

The New York State Department of Environmental Conservation (DEC) and the New York State Department of Health (DOH) requested that the current owner of the property at 480 Flushing Avenue perform soil vapor intrusion sampling at the 486 Flushing Avenue property.

To complete this work, we will require access to the cellar level of the building and approval to drill a ½ inch hole in the center of the building slab. A tube will be inserted into this hole and connected to a vacuum canister. A second canister will be placed in the breathing zone of the cellar. Both canisters will draw in a sample of air over a 24 hr period (residential occupancy) or 8 hr period (commercial occupancy) after which we will retrieve the canisters and seal the hole.

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Very truly yours,
**Environmental Business Consultants**

Chawinie Reilly
Senior Project Manager

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

June 1, 2021

Better Plastics Corp
495-497 Flushing Avenue
Brooklyn, NY

***Re:*** ***Soil Vapor Intrusion Sampling***
***497 Flushing Avenue, Brooklyn, NY 11205***
***Block 2263 Lot 71***

To Whom It May Concern:

The New York State Department of Environmental Conservation (DEC) and the New York State Department of Health (DOH) requested that the current owner of the property at 480 Flushing Avenue perform soil vapor intrusion sampling at the 497 Flushing Avenue property.

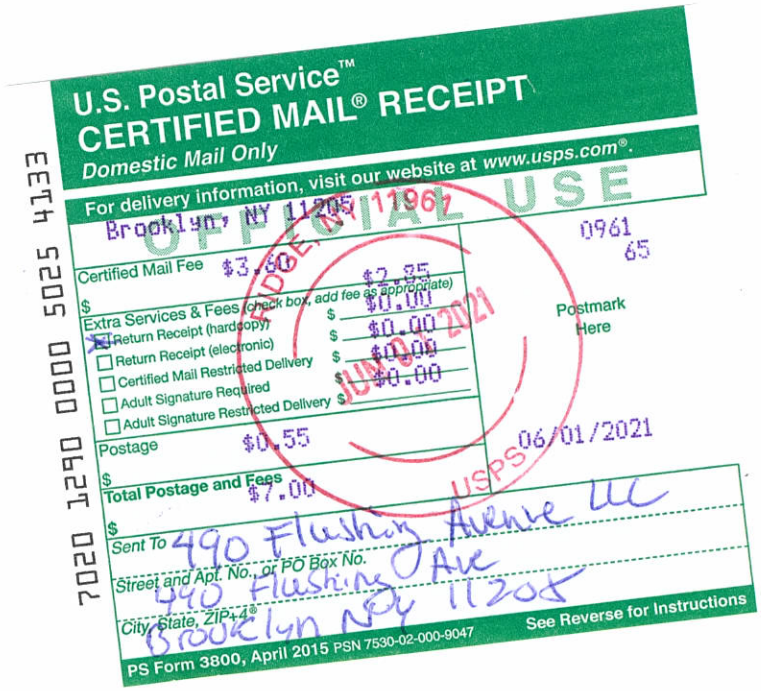
To complete this work, we will require access to the cellar level of the building and approval to drill a ½ inch hole in the center of the building slab. A tube will be inserted into this hole and connected to a vacuum canister. A second canister will be placed in the breathing zone of the cellar. Both canisters will draw in a sample of air over a 24 hr period (residential occupancy) or 8 hr period (commercial occupancy) after which we will retrieve the canisters and seal the hole.

Please respond in writing that access will be granted. Also please advise if there are any tenants that we will need to arrange access with and how to contact them. If you have any questions or require additional information please contact me.

Very truly yours,
**Environmental Business Consultants**

Chawinie Reilly
Senior Project Manager

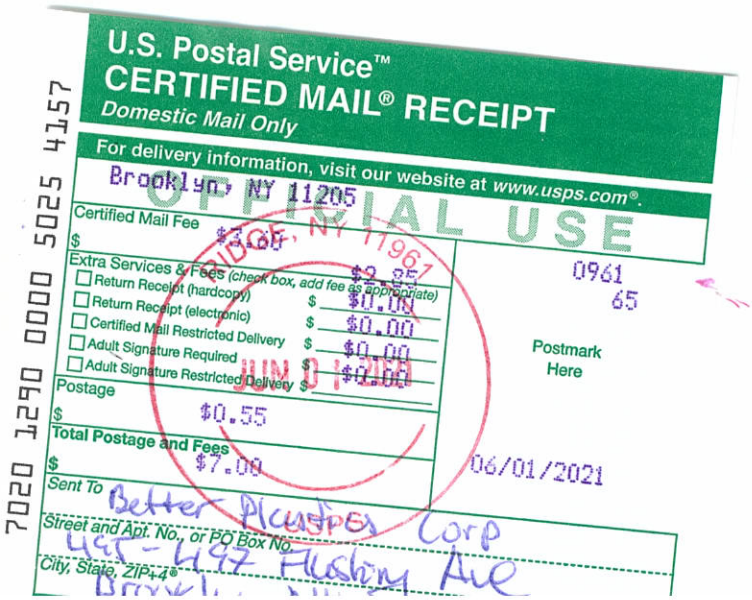

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